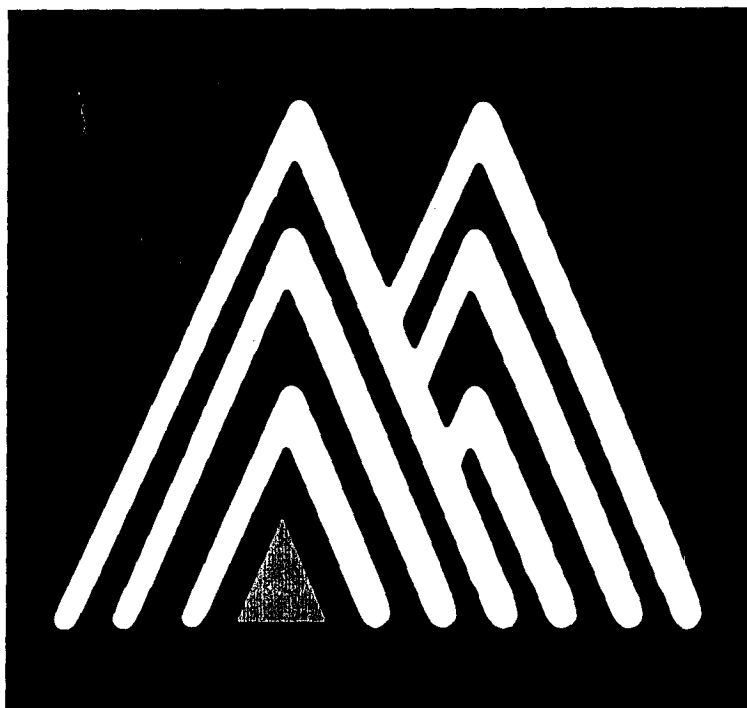


REPORT

UNDERGROUND STORAGE TANK REMOVAL**MCDONNELL DOUGLAS CORPORATION**

19503 SOUTH NORMANDIE AVENUE
TORRANCE, CALIFORNIA 90502

MANESS PROJECT # 40443



Prepared For:

McDonnell Douglas Corporation

3855 Lakewood Boulevard
Long Beach, California 90802

Prepared By:

Maness Environmental Services, Inc.

1101 East Spring Street
Long Beach, California 90807

August 22, 1994



August 22, 1994

Maness Project # 40443

**Fire Department -
City of Los Angeles Permit # 3757**

Mr. Scott Lattimore
McDonnell Douglas Corporation
19503 South Normandie Avenue
Torrance, California 90502

**RE: UNDERGROUND STORAGE TANK REMOVAL CLOSURE REPORT,
19503 S. Normandie Avenue in Torrance, California.**

Dear Mr. Lattimore:

Enclosed please find Maness Environmental Services, Inc., (Maness) final report for the closure of two 7,500 gallon and two 500 gallon hydraulic fuel oil, and two 50,000 gallon diesel fuel oil underground storage tanks (USTs) at the McDonnell Douglas Aircraft Facility at the above referenced site.

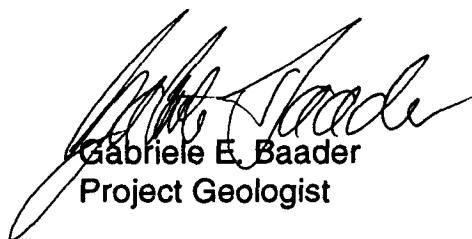
The work completed consisted of: (1) excavation, removal and disposal of the USTs and associated piping, (2) soil sample collection and analysis from beneath the former UST and spoils pile locations, (3) a site assessment, and (4) a final tank closure report, summarizing the results of all field activities and analytical testing.

Results of laboratory testing indicated that elevated concentrations of total recoverable petroleum hydrocarbons were detected in the spoils piles and in the area of the 500 gallon USTs. Maness completed a site assessment and subsequently removed the impacted soil from the excavation of the 500 gallon UST locations. The impacted soil was disposed at an approved recycling facility.

Maness appreciates the opportunity to provide environmental management services for McDonnell Douglas Corporation. If you have any questions regarding the report or require additional information, please feel free to call.

Sincerely,

Maness Environmental Services, Inc.



Gabriele E. Baader
Project Geologist

cc: Los Angeles City Fire Department
Bureau of Fire Prevention
Plan Check Unit
200 North Main Street, Room 920
Los Angeles, California 90012
Attn.: Inspector Cooper

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- Appendix H - Certified Compaction Report
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REPORT

UNDERGROUND STORAGE TANK REMOVAL MCDONNELL DOUGLAS CORPORATION

**19503 SOUTH NORMANDIE AVENUE
TORRANCE, CALIFORNIA 90502**

1.0 INTRODUCTION

This report summarizes tank closure operations recently completed at the McDonnell Douglas Aircraft Facility at the above referenced site.

1.1 PURPOSE AND SCOPE OF WORK

McDonnell Douglas Corporation (Douglas) engaged Maness Environmental Services, Inc., (Maness) to remove and dispose of two 7,500 gallon and two 500 gallon single wall hydraulic fuel oil, and two 50,000 gallon diesel fuel oil underground storage tanks (USTs) and associated piping at the DAC C6 facility in Torrance at the above referenced site. Figure 1 shows the location of the USTs at the facility. In addition, Maness personnel collected soil samples after the UST removal to determine whether contents previously stored in the underground storage tanks have impacted the surrounding subsurface soil.

2.0 FIELD ENGINEERING

2.1 TANK REMOVAL OPERATIONS

Before commencement of work, on behalf of the client, Maness applied for an underground storage tank closure permit at the Los Angeles City Fire Department, Underground Tank Enforcement Unit (LAFD) in Los Angeles, California. Work began as soon as the permit (#3757) was approved by LAFD (Appendix A - UST Removal Permit).

While excavating USTs or the soil in the vicinity of the USTs, the South Coast Air Quality Management District (SCAQMD) requires that the soil be monitored for volatile organic vapors (Rule 1166). Vapor concentrations are monitored to avoid adverse affects on the health and safety of personnel by using the appropriate personnel protective equipment and vapor suppressant methods.

In July 1994, during excavation of soil in the vicinity of the tanks, the soil was monitored by Maness personnel for fuel contamination. A portable organic vapor analyzer (OVA, Foxboro Model 128 GC) was passed over each load of soil removed from the excavation and the surface of the stockpiles in accordance with SCAQMD Rule 1166.

Organic vapor concentrations were not detected during the excavations. However, some discolored soil was detected in both excavations. Subsequently, the impacted soil was separated, stock piled and covered with visqueen. The SCAQMD Rule 1166 monitoring records are included in Appendix B.

On July 5, 1994, Maness properly cleaned and triple rinsed the underground storage tanks per regulatory requirements to the extent necessary for the tank removal as to minimize generating excess rinsate. The USTs were pressure rinsed sufficiently until satisfactory lower explosive limits (LEL) and total oxygen content levels were achieved. Douglas engaged Laidlaw Environmental Services, Inc. to transport the tank rinsate to Chem-Tech Systems, Inc. in Los Angeles, California, for recycling. The hazardous waste manifest is included in Appendix C.

A marine chemist certified the USTs safe for transport. Under the direction of the Los Angeles City Fire Department Inspector, Maness removed the USTs from the excavation and transported the USTs and associated piping to Lopez General Engineering Contractor in Signal Hill, California. The marine chemist certificate and the tank disposal certificate are included in Appendix D and Appendix E, respectively.

2.2 SOIL SAMPLING

Upon completion of tank removal operations, under the direction of the LAFD inspector, Maness personnel collected eleven (11) soil samples each beneath the former USTs and from the spoils piles at the subject site. Figure 1 is a site plan showing the former UST and the soil sample locations. The soil samples were collected from the UST excavation with the bucket of a back hoe tractor. The soil samples collected from the spoils piles adjacent to the excavation were collected using a hand auger sampling system.

The soil samples were collected from the following locations (see Figure 2 - UST and Soil Sample Locations South): One soil sample was collected beneath the center of each of the 500 gallon USTs, at 7 feet below grade (ft bg). A total number of three soil samples were collected beneath the two 7,500 gallon USTs, at 14 ft bg. Three samples were collected from the spoils pile (SP1 through SP3). These USTs previously contained hydraulic oil.

Figure 3 shows the former location of two 50,000 gallon USTs previously containing fuel oil. Three soil samples were collected beneath each of the tanks, at the north end, south end and the center at 16 ft bg. In addition, eight (8) soil samples were collected from the spoils piles located adjacent to the excavation. All tank confirmation samples were collected approximately three feet beneath the bottom of the former UST locations.

The soil samples were packaged in 250 milliliter Qorpak glass jars, sealed with Teflon lined lids and labeled. The samples were delivered to a mobile, on-site, state certified, analytical laboratory for immediate testing. Laboratory results and chain of custody documents are included in Appendix F and Appendix G, respectively. Maness personnel conducted all work under the direction of a California registered geologist.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

The subject site overlies alluvial sediments consisting of medium brown, coarse to fine grained silty sand and light brown to light gray, coarse to fine grained sand. The surrounding topography is consistently flat. The ground surface elevation is approximately 51 feet above mean sea level (MSL).

A review of the Los Angeles County Department of Public Works hydrologic records indicates, that the first groundwater beneath the site is approximately 101 feet below ground surface. Well # 794 C is located south of 190th Street, between Western and Normandie Avenue, on the Douglas property. The monitoring well was last measured on October 15, 1993. Groundwater was not encountered during the excavation.

4.0 LABORATORY TESTING

4.1 METHODS OF ANALYSIS

Laboratory samples were collected, maintained, prepared and analyzed according to Test Methods for Evaluating Solid Waste, (SW-846), Third Edition, Update #2, November 1990. These methods as prescribed by the Environmental Protection Agency (EPA) provide test procedures which determine whether the sample is a hazardous waste within the definition of the Resource Conservation Recovery Act (RCRA).

A state certified, analytical laboratory (Jones Environmental, Inc., Fullerton, California) analyzed the confirmation samples, collected from beneath the former UST and spoils pile locations. The UST and spoils pile confirmation samples were analyzed for total recoverable petroleum hydrocarbons (TRPH) by EPA method 418.1, total petroleum hydrocarbons in accordance with California Department of Health Services (CADOHS) modified EPA method 8015 for diesel, and for volatile aromatic hydrocarbons as Benzene, Toluene, Ethylbenzene and total Xylenes (BTEX) in accordance with EPA test method 8020. In addition, all of the soil samples were analyzed for total lead by EPA method 7420 as required by LAFD.

4.2 RESULTS OF ANALYSIS

The laboratory results of the soil samples collected beneath the former UST locations indicated that the soil beneath the USTs at the site was not significantly impacted by petroleum hydrocarbons. The laboratory results of the UST confirmation samples showed no concentrations above the detection limit or less than LAFD action limit of 100 milligrams per kilogram (mg/kg) of petroleum hydrocarbons. However, one soil sample collected beneath the western 500 gallon UST (Figure 2) showed elevated concentrations of TRPH. Subsequently, the LAFD referred the site to the Plan Check Unit, which supervises remediation at contaminated sites within their jurisdiction (see Section 5.0 Site Assessment).

During the excavation, the soil was separated into "clean" and "contaminated" spoils piles. Results of the laboratory testing for the soil samples collected from the spoils piles indicated that some of the stockpiled soil had been impacted with TRPH. The analytical test results are summarized in Table 1 through Table 3:

TABLE 1
Soil Samples collected on July 7, 1994

| SAMPLE ID | EPA 418.1 TRPH | CADOHS 8015 DIESEL | EPA 8020 BTEX | EPA 7420 LEAD | SAMPLE LOCATION |
|-----------------|-------------------|--------------------------|---------------------|---------------------|----------------------------|
| T 13 - 7' | 7,900 | - | ND | ND | Western 500 g Center |
| T 14 - 7' | 37 | - | ND | ND | Eastern 500 g Center |
| T 11/12 - 14' | 50 | - | ND | ND | Center 7,500 g USTs |
| T 11 - 14' | ND | - | ND | ND | Western 7,500 g West |
| T 12 - 14' | ND | - | ND | ND | East 7,500 g East |
| SP - 1 | ND | - | ND | ND | South Spoils Pile West |
| SP - 2 | 2,100 | - | ND | ND | South Spoils Pile Center |
| SP - 3 | 4,600 | - | ND | ND | South Spoils Pile East |
| SP - 4 | ND | ND | ND | ND | North Spoils Pile East |
| SP - 5 | ND | ND | ND | ND | North Spoils Pile |
| SP - 6 | ND | ND | ND | ND | Western Spoils Pile |
| SP - 7 | 170 | ND | ND | ND | Western Spoils Pile |
| SP - 8 | 360 | ND | ND | ND | Western Spoils Pile |
| SP - 9 | ND | ND | ND | ND | Southw. Spoils Pile East |
| SP - 10 | 260 | ND | ND | ND | Southw. Spoils Pile Center |
| SP - 11 | ND | ND | ND | ND | Southw. Spoils Pile West |
| T 20 A - 16' | ND | ND | ND | ND | Western 50,000 g South |
| T 20 B - 16' | ND | ND | ND | ND | Western 50,000 g Center |
| T 20 C - 16' | ND | ND | ND | ND | Western 50,000 g North |
| T 19 A - 16' | ND | ND | ND | ND | Eastern 50,000 g South |
| T 19 B - 16' | 35 | ND | ND | ND | Eastern 50,000 g Center |
| T 19 C - 16' | 52 | ND | ND | ND | Eastern 50,000 g North |
| Detection Limit | 10 mg/kg | 10.0 mg/kg | 5.0 ug/kg | 10.0 mg/kg | |

Note: ND = not detected above detection limit
ug/kg = microgram per kilogram
- = not analyzed

mg/kg = milligram per kilogram
Samples shown with depth in feet below grade

TABLE 2

Soil Samples collected on July 14 and 20, 1994

| SAMPLE ID | EPA 418.1 TRPH | EPA 8020 BTEX | EPA 7420 LEAD | SAMPLE LOCATION |
|-----------------|-------------------|------------------|---------------------|---------------------|
| HA 1 - 9' | 700 | ND | ND | Center of 500 g UST |
| HA 1 - 12' | 520 | ND | ND | Center of 500 g UST |
| HA 1 - 15' | 240 | ND | ND | Center of 500 g UST |
| HA 1 - 20' | ND | ND | ND | Center of 500 g UST |
| HA 2 - 5' | ND | ND | ND | West of 500 g UST |
| HA 2 - 10' | ND | ND | ND | West of 500 g UST |
| HA 2 - 15' | ND | ND | ND | West of 500 g UST |
| HA 3 - 5' | ND | ND | ND | South of 500 g UST |
| HA 3 - 10' | ND | ND | ND | South of 500 g UST |
| HA 3 - 15' | 63 | ND | ND | South of 500 g UST |
| HA 3 - 20' | ND | ND | ND | South of 500 g UST |
| HA 4 - 9' | 60 | ND | ND | East of 500 g UST |
| HA 4 - 12' | 730 | ND | ND | East of 500 g UST |
| HA 4 - 15' | 32 | ND | ND | East of 500 g UST |
| HA 4 - 20' | ND | ND | ND | East of 500 g UST |
| Detection Limit | 10 mg/kg | 5.0 ug/kg | 10.0 mg/kg | |

Note: ND = not detected above detection limit
mg/kg = milligram per kilogram
ug/kg = microgram per kilogram
Samples shown with depth in feet below grade

TABLE 3

Soil Samples collected on July 20, 1994

| SAMPLE ID | EPA 418.1 TRPH | CADOHS 8015 DIESEL | EPA 8020 BTEX | SAMPLE LOCATION |
|-----------------|-------------------|--------------------------|------------------|---------------------|
| SP - 12 | ND | ND | - | Westwest Alley Pile |
| SP - 13 | 130 | ND | ND | West Alley Pile |
| SP - 14 | 160 | ND | ND | East Alley Pile |
| SP - 15 | 130 | ND | ND | Easteast Alley Pile |
| SP - 16 | 330 | ND | ND | 1. Pile South |
| SP - 17 | 160 | ND | ND | 1. Pile North |
| SP - 18 | 550 | ND | ND | 2. Pile South |
| SP - 19 | 140 | ND | ND | 2. Pile North |
| SP - 20 | 84 | ND | - | 3. Pile South |
| SP - 21 | 120 | ND | ND | 3. Pile North |
| SP - 22 | 270 | ND | ND | 4. Pile South |
| SP - 23 | 160 | ND | ND | 4. Pile North |
| SP - 24 | - | ND | ND | Roll Off Bin |
| SP - 25 | 48 | - | - | East of SP1 (7500g) |
| SP - 26 | 260 | - | ND | West of SP2 (7500g) |
| Detection Limit | 10 mg/kg | 10.0 mg/kg | 5.0 ug/kg | |

Note: ND = not detected above detection limit

mg/kg = milligram per kilogram

ug/kg = microgram per kilogram

- = not analyzed

Samples shown with depth in feet below grade

5.0 SITE ASSESSMENT

In accordance with City of Los Angeles Fire Department, Plan Check Unit, (LAFD) requirements the following scope of work has been completed. Using a hand advanced auger, we completed a total of four borings in the area of the previously detected soil contamination.

The area of total recoverable petroleum hydrocarbon (TRPH) impacted soil was located beneath the former western 500 gallon UST location, previously containing hydraulic oil. According to LAFD requirements, the borings were placed approximately 5 ft outward and below the contamination. The extent of the plume was determined by placing the hand auger borings in three locations encircling the previously collected sample ID T13-7', and one boring was completed in the center. Figure 3 shows the location of the borings and Table 1 the tank confirmation sample results.

Maness completed the borings to 15 and 20 feet below grade (ft bg). Samples were recovered at approximately five foot intervals. Laboratory results for soil samples collected from the center and east of the UST to 12 ft bg (HA4) and 15 ft bg (HA1) showed concentrations of TRPH above the action limit of 100 mg/kg. Maness collected additional soil samples at 20 ft bg at location HA1 and 15 and 20 ft bg at location HA4. The test results determined that the impacted soil was localized between the bottom of the former UST location at 7 ft bg and 15 ft bg. East of the UST location the impacted soil did not extent beyond 12 ft bg. The soil samples collected west and south of the UST were none detected or less than the LAFD action limit. Table 2 summarizes the test results of the hand auger borings.

Due to the unstable condition of the sidewalls, Maness excavated approximately six cubic yards of TRPH impacted soil to a depth of 20 ft bg beneath the former UST location and stabilized the bottom of the excavation with pea gravel.

Maness personnel removed all of the TRPH impacted soil from the affected area. Subsequently, Douglas instructed Maness to complete a profile of the TRPH impacted spoils piles generated from the excavations. Maness collected and analyzed additional soil samples, to determine whether all of the separated soil was impacted. Figure 2 and Figure 4 show the locations of fifteen (15) soil samples collected from the spoils piles. Table 3 summarizes the results.

Upon approval by the LAFD Plan Check Unit, Maness backfilled and properly compacted the excavation to 95% at optimum moisture content. The backfill material consists of clean cohesive soil, free from organic materials and refuse. The certified compaction report is included in Appendix H.

6.0 CONCLUSIONS

McDonnell Douglas Corporation engaged Maness to perform an underground storage tank closure at the Douglas Aircraft facility at 19503 South Normandie Avenue in Torrance, California. According to all applicable state, county and City of Los Angeles guidelines, Maness removed two 50,000 gallon, two 7,500 gallon and two 500 gallon underground storage tanks, previously storing fuel and hydraulic oil, from the subject site.

The analytical results of soil samples collected beneath the former USTs indicate that the petroleum hydrocarbon impacted subsurface soil has been removed from the excavation. During the excavation, the contaminated soil was placed on separate spoils piles. Analysis of the soil samples collected from the separated piles showed total recoverable petroleum hydrocarbons above the LAFD clean-up criteria in several spoils piles. Upon profiling, a total of 542.49 tons of TRPH impacted soil was transported to TPS Technology, Inc. recycling facility in Adelanto, California. The non-hazardous waste data forms are included in Appendix I.

The tank removal operation was supervised by a California registered geologist. The excavation was backfilled with clean imported soil and certified compacted to 95%.

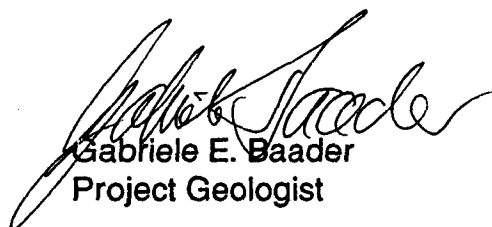
7.0 LIMITATIONS


Maness Environmental Services, Inc., performs professional services using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings are based primarily upon analytical results provided by an independent laboratory. Interpretations of the subsurface conditions at the site, for the purpose of this investigation, are made from a limited number of available data points (example: soil samples) and subsurface conditions may be different in other locations.

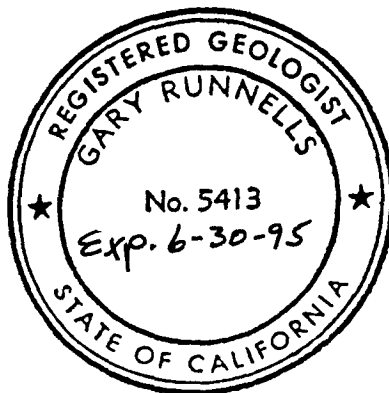
Maness appreciates the opportunity to provide environmental management services for McDonnell Douglas Corporation. If you have any questions regarding the report or require additional information, please feel free to call.

Sincerely,

Maness Environmental Services, Inc.


Gabriele E. Baader
Project Geologist


Gary Runnells, R.E.A., R.G.
Registered Geologist



FIGURES
AND
APPENDICES

FIGURE 1

SITE PLAN

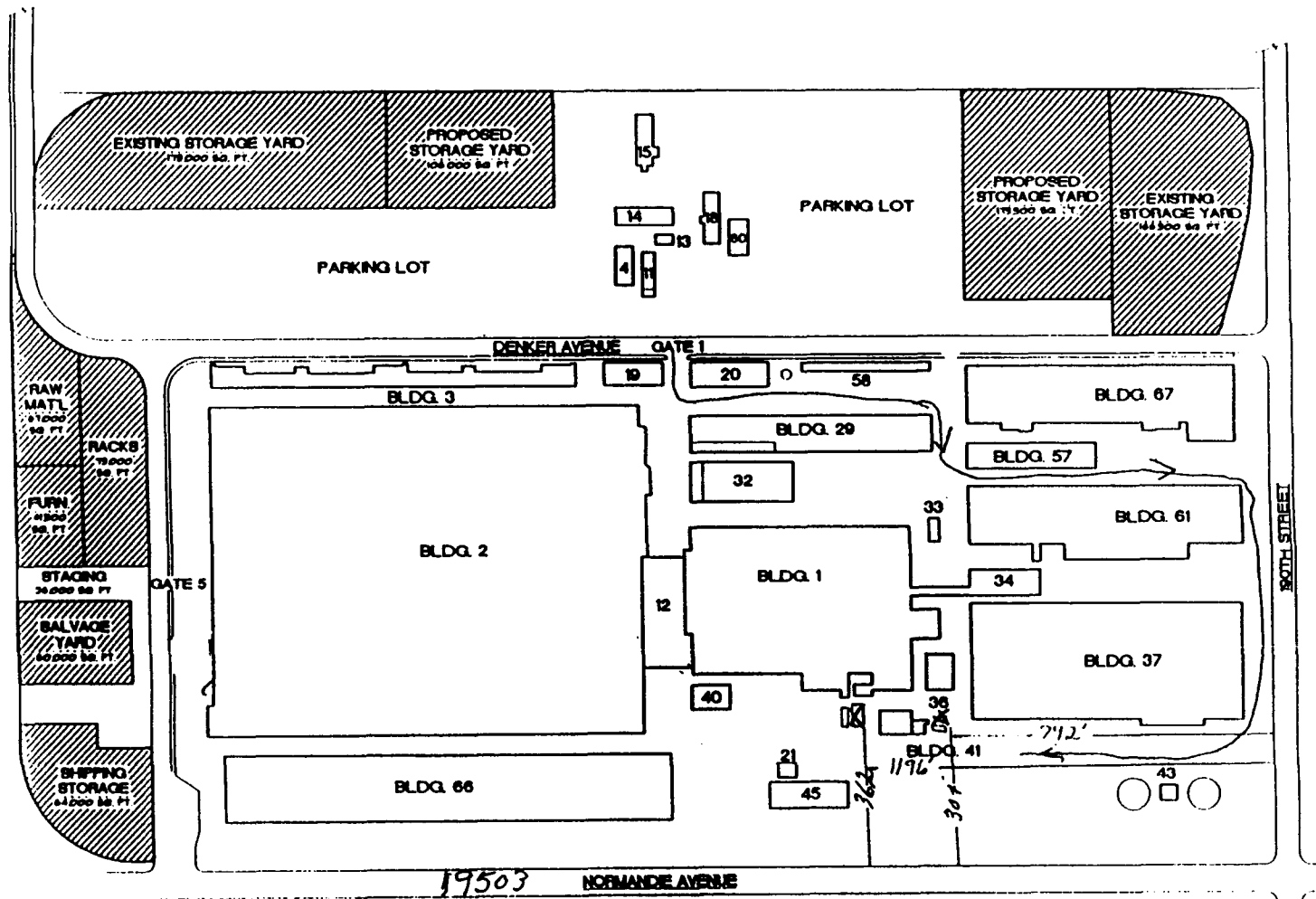
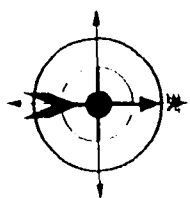


FIGURE 1
SITE PLAN

SITE LOCATION
DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

PREPARED FOR
DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502



PROJECT #: 40443
DATE: 7/29/1994

0 300 600
APPROXIMATE SCALE IN FEET

DRAWN BY: G. BAADER
CHECKED BY: G. RUNNELS
APPROVED BY: D. HERRERA



MANESS
ENVIRONMENTAL SERVICES INC.

A DIVISION OF
MANESS INDUSTRIES
1101 E. SPRING ST., P.O. BOX 90939, LONG BEACH, CA. 90809-0939
CONTRACTOR LICENSE NO. 553633, TEL (310) 595-4555, FAX (310) 492-6495

FIGURE 2
UST AND
SOIL SAMPLE LOCATIONS SOUTH

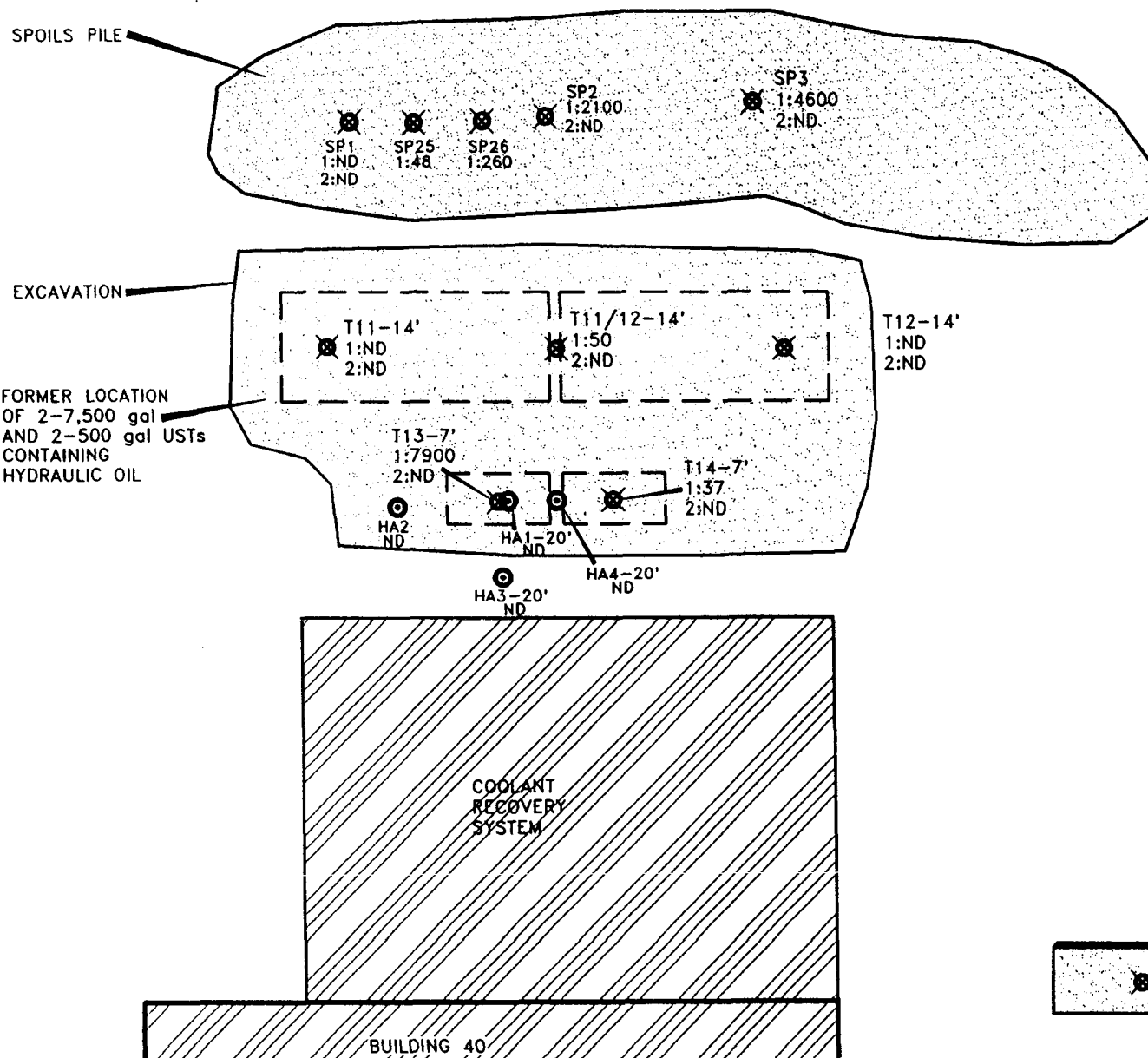


FIGURE 2

UST AND SOIL
SAMPLE LOCATIONS
SOUTH

SITE LOCATION

DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

PREPARED FOR

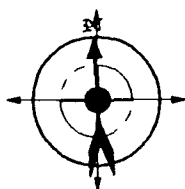
DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

LEGEND

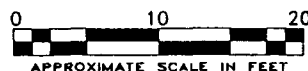
- ⊗ SOIL SAMPLE LOCATIONS
- ⊙ HAND AUGER BORINGS
- 1 418.1 TRPH
- 2 8020 BTEX
- 3 7420 TOTAL LEAD
- ND NONE DETECTED
- ALL RESULTS IN
MILLIGRAMS PER KILOGRAM



ROLL OFF BIN



PROJECT #: 40443
DATE: 7/29/1994



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APPROVED BY: D. HERRERA



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FIGURE 3
UST AND
SOIL SAMPLE LOCATIONS NORTH

FIGURE 3

**UST AND SOIL
SAMPLE LOCATIONS
NORTH**

SITE LOCATION

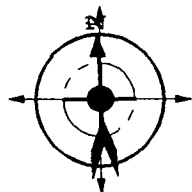
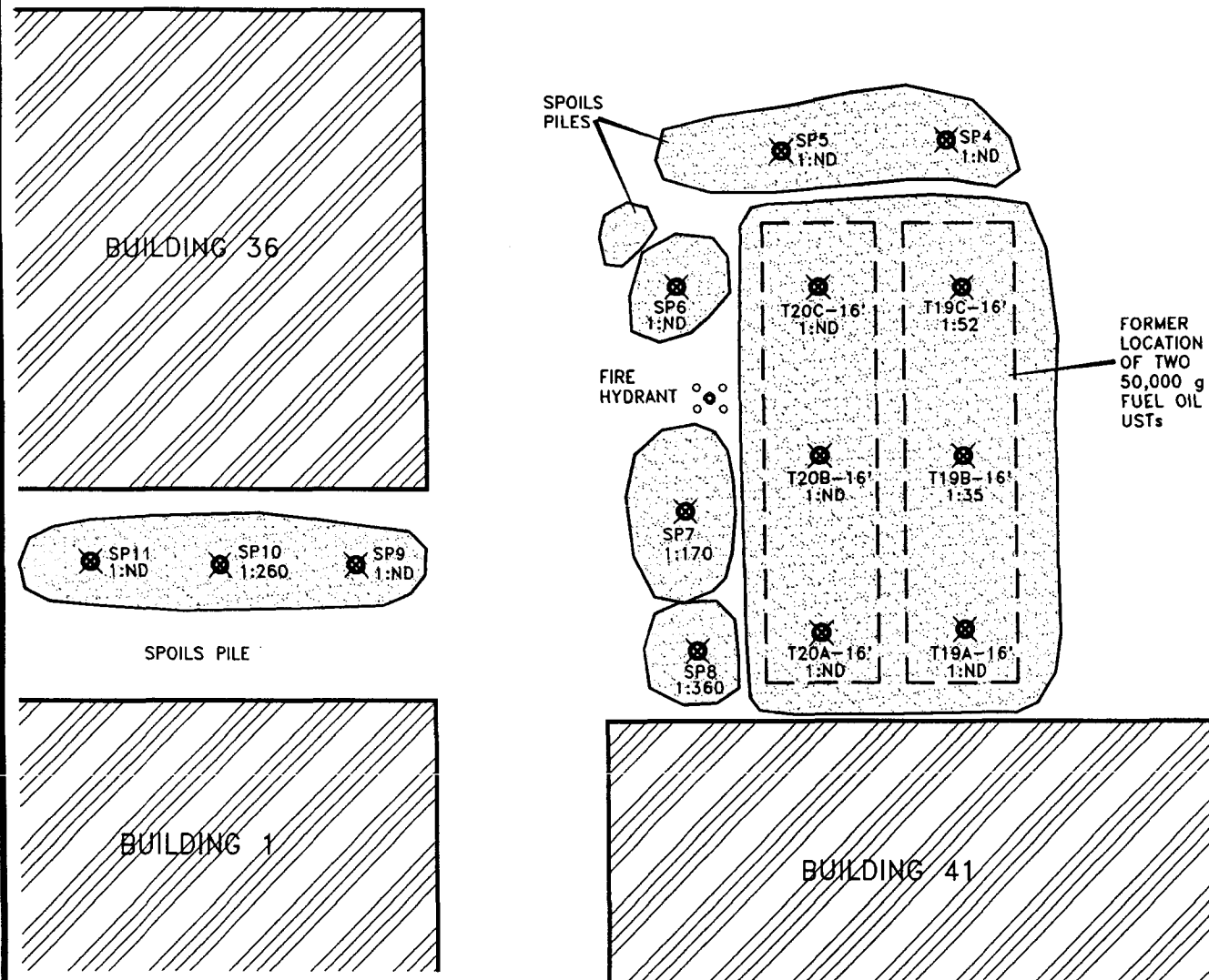
DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

PREPARED FOR

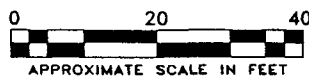
DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

LEGEND

- ☒ SOIL SAMPLE LOCATIONS
- 1 418.1 TRPH RESULTS
- ND NONE DETECTED
- NO TPH (DIESEL), BTEX
OR LEAD DETECTED
- ALL RESULTS IN
MILLIGRAMS PER KILOGRAM



PROJECT #: 40443
DATE: 07/21/1994



DRAWN BY: G. BAADER
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APPROVED BY: D. HERRERA



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FIGURE 4
UST AND SOIL SAMPLE
LOCATIONS NORTH AFTER BACKFILLING

SPOILS PILE

SP1
1:ND
2:ND

SP25
1:48

SP26
1:260

SP2
1:2100
2:ND

SP3
1:4600
2:ND

EXCAVATION

FORMER LOCATION
OF 2-7,500 gal
AND 2-500 gal USTs
CONTAINING
HYDRAULIC OIL

T11-14'
1:ND
2:ND

T11/12-14'
1:50
2:ND

T12-14'
1:ND
2:ND

T13-7'
1:7900
2:ND

T14-7'
1:37
2:ND

HA2
ND

HA1-20'
ND

HA3-20'
ND

HA4-20'
ND

COOLANT
RECOVERY
SYSTEM

BUILDING 40

FIGURE 2

UST AND SOIL
SAMPLE LOCATIONS
SOUTH

SITE LOCATION

DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

PREPARED FOR

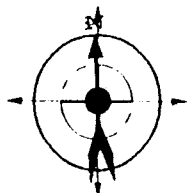
DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

LEGEND

- SOIL SAMPLE LOCATIONS
- HAND AUGER BORINGS
- 1 418.1 TRPH
- 2 8020 BTEX
- 3 7420 TOTAL LEAD
- ND NONE DETECTED
- ALL RESULTS IN
MILLIGRAMS PER KILOGRAM

SP24
1:410

ROLL OFF BIN



PROJECT #: 40443
DATE: 7/29/1994

0 10 20
APPROXIMATE SCALE IN FEET

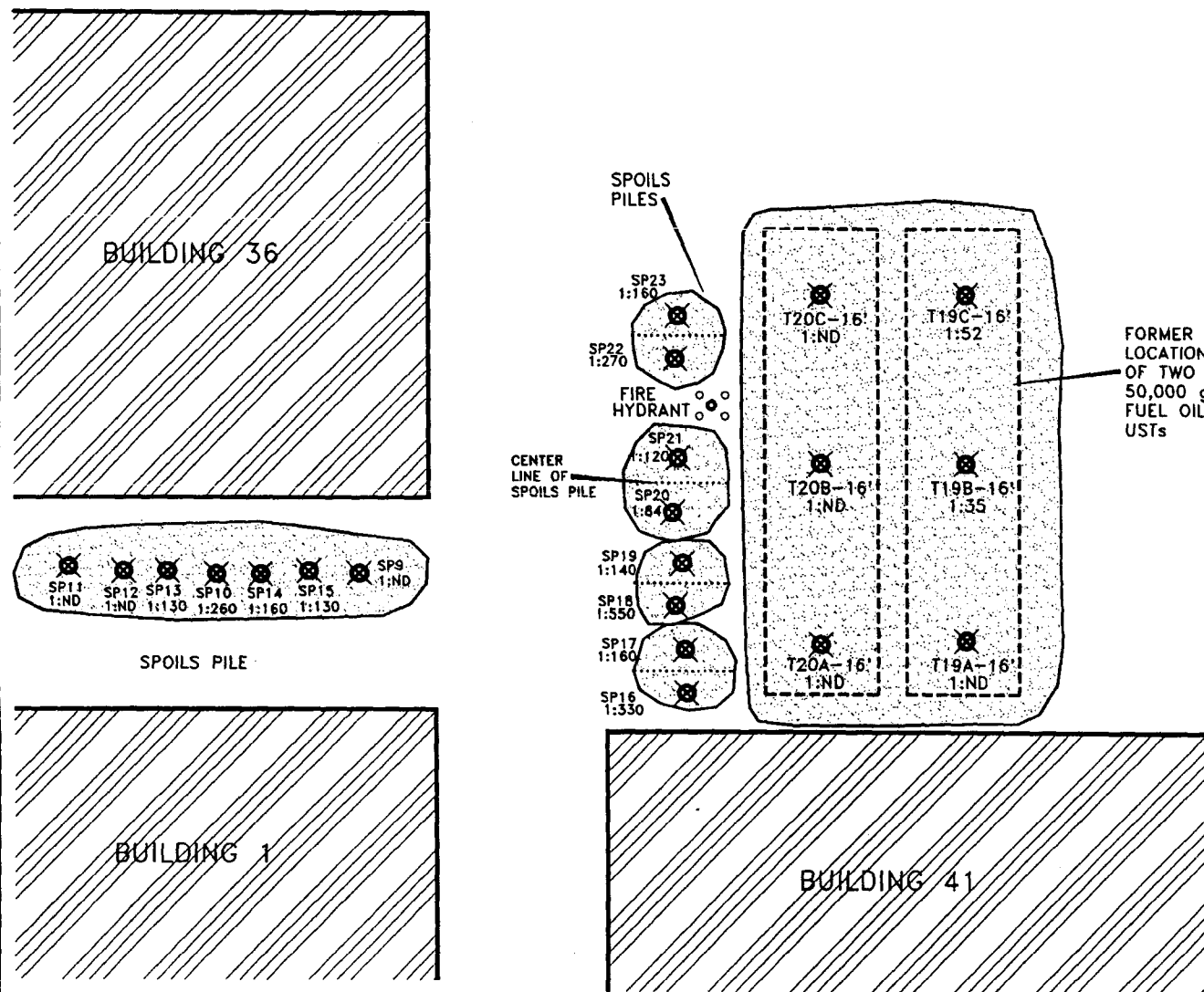
DRAWN BY: G. BAADER
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**FIGURE 4**

UST AND SOIL
SAMPLE LOCATIONS
NORTH
AFTER BACKFILLING

SITE LOCATION

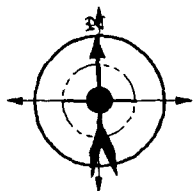
DOUGLAS AIRCRAFT COMPANY
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TORRANCE
CALIFORNIA 90502

PREPARED FOR

DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

LEGEND

- SOIL SAMPLE LOCATIONS
 1 418.1 TRPH RESULTS
 ND NONE DETECTED
 NO TPH (DIESEL), BTEX
 OR LEAD DETECTED
 ALL RESULTS IN
 MILLIGRAMS PER KILOGRAM



PROJECT #: 40443
DATE: 07/21/1994



DRAWN BY: G. BAADER
CHECKED BY: G. RUNNELLS
APPROVED BY: D. HERRERA



MANESS
ENVIRONMENTAL SERVICES INC.

A DIVISION OF
MANESS INDUSTRIES

1101 E. SPRING ST., P.O. BOX 90939, LONG BEACH, CA. 90809-0939
CONTRACTOR LICENSE NO. 553633, TEL (310) 595-4555, FAX (310) 492-6495

FIGURE 4

UST AND SOIL
SAMPLE LOCATIONS
NORTH
AFTER BACKFILLING


SITE LOCATION

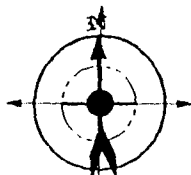
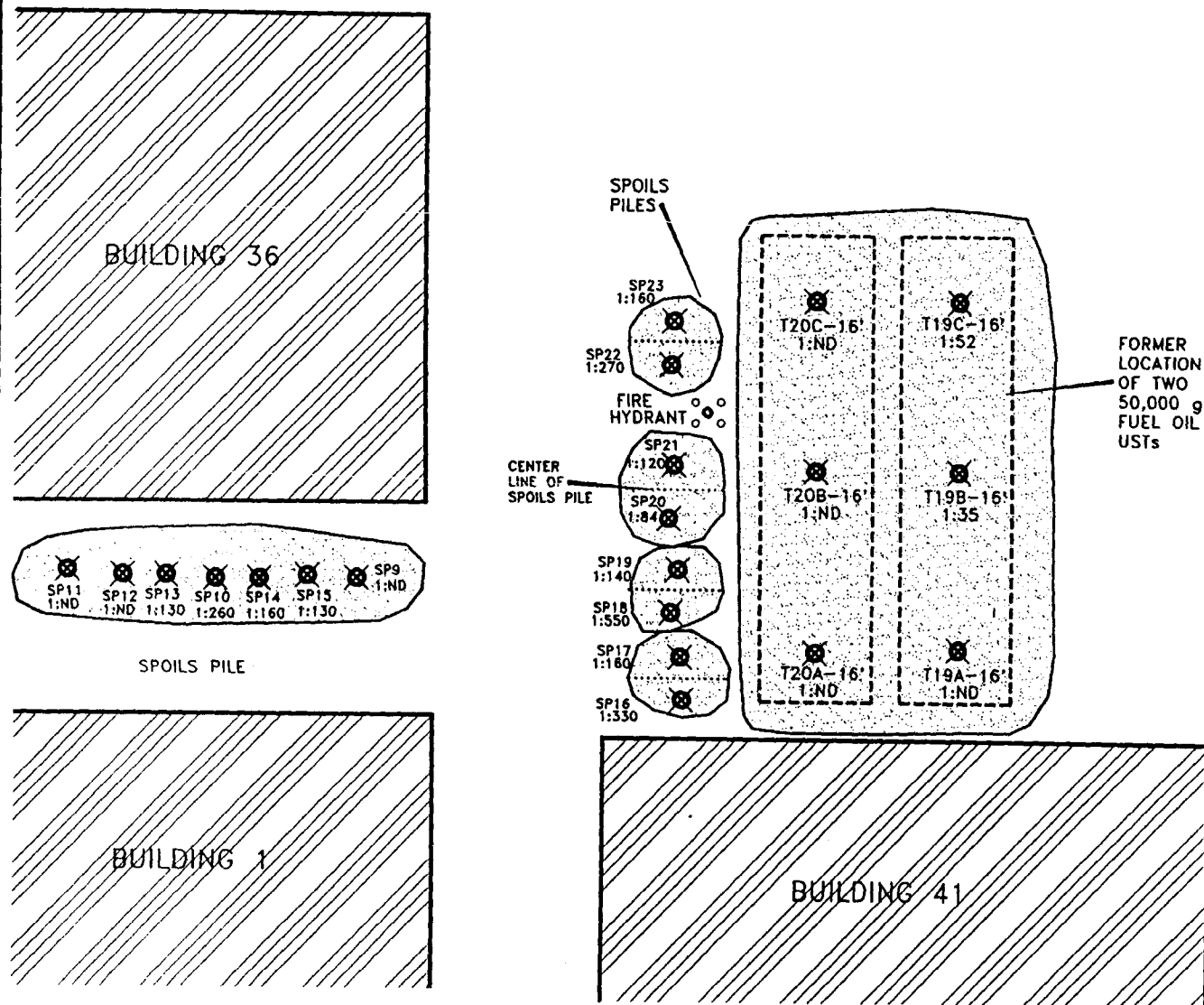
DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

PREPARED FOR

DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVE
TORRANCE
CALIFORNIA 90502

LEGEND

-  SOIL SAMPLE LOCATIONS
 1 418.1 TRPH RESULTS
 ND NONE DETECTED
 NO TPH (DIESEL), BTEX
 OR LEAD DETECTED
 ALL RESULTS IN
 MILLIGRAMS PER KILOGRAM



PROJECT #: 40443
DATE: 07/21/1994

0 20 40
APPROXIMATE SCALE IN FEET

DRAWN BY: G. BAADER
CHECKED BY: G. RUNNELLS
APPROVED BY: D. HERRERA



MANESS
ENVIRONMENTAL SERVICES INC.

A DIVISION OF
MANESS INDUSTRIES

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CONTRACTOR LICENSE NO. 553633, TEL (310) 595-4555, FAX (310) 492-6495

APPENDIX A

UST REMOVAL PERMIT


FIRE DEPARTMENT – CITY OF LOS ANGELES

APPLICATION FOR PERMIT – ATMOSPHERIC UNDERGROUND TANK

Permit No. 3757

Date of Application 6/8/94

PLEASE PRINT OR TYPE

| | | | | |
|--|---------------------------|--|---|--------------------------------------|
| Name of Owner of Property DOUGLAS AIRCRAFT CO. ROBERT H. HOOD, JR pres. 310-593- 5511 | | Doing Business As DOUGLAS AIRCRAFT CO. | | |
| Address of Owner 3855 Lakewood Blvd | City Long Beach | State ca. | Zip 90846 | Owner's Phone 310 593 3902 |
| Address of Site 19503 S. Normandie Ave | City Torrance | State CA. | Zip 90502 | Phone at Site 310 533 7926 |
| Contractor's Company Name MANESS ENVIRONMENTAL SERVICES | | | | |
| Address 1101 E. Spring St | City Long Beach | State CA. | Zip 90807 | Contact dan Farrington |
| Signature of Applicant  | | Title Project Foreman | Contractor's Phone 310 595 4555 | |

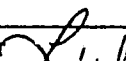
| QTY. | ITEM | I.D. NO(S) |
|---------------|--------------------------------------|---|
| <u>4</u> | UGT/S ABANDONMENT BY REMOVAL | EPA# <u>CAD 086 510 005</u> |
| <u> </u> | UGT/S TANK ENTRY/LINING/REPAIR | State Contractor Type/# <u>A B Haz 553633</u> |
| <u> </u> | UGT/S ABANDONMENT IN PLACE | City Business# <u>704659-95</u> |
| <u> </u> | UGT/S INSTALLATION | |
| <u> </u> | UGT/S ADD TO/ALTER: MONITORING | |
| <u> </u> | UGT/S ADD TO/ALTER: PIPING/DISPENSER | |

Date

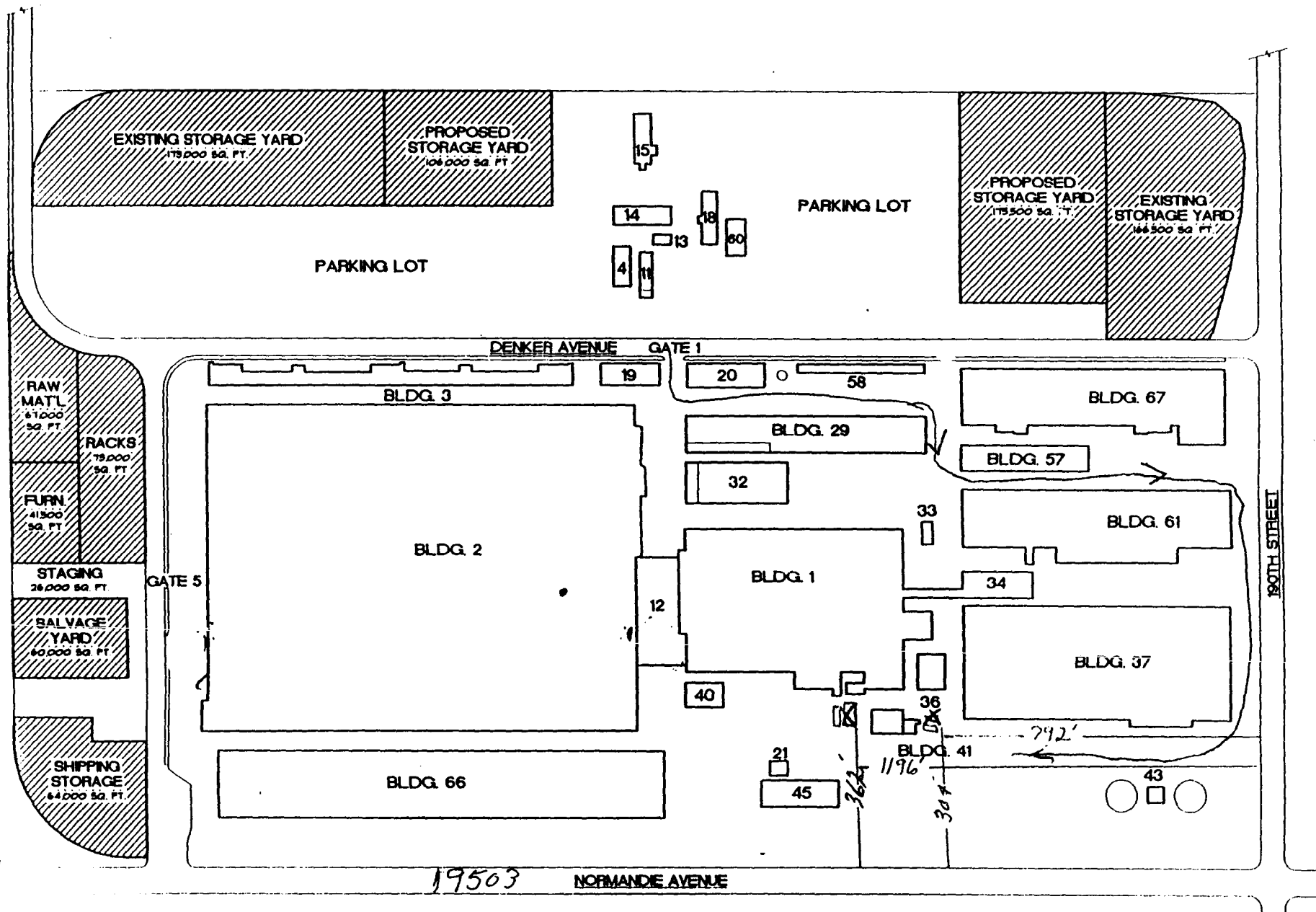
6/6/94

Date

Inspector



SALVAGE YARD R/A - TORRANCE (C6) FACILITY



SUBJECT TO FIELD INSPECTION

The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent Sections of the Municipal code and other applicable regulations.

BLDG. 37

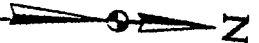
6/8/94

APPROVED

#3757

LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION

BY *[Signature]*



APPROXIMATE LOCATION OF MAJOR UNDERGROUND UTILITIES

ASPHALT

COOLING TOWER

FIRE HYDRANT

CONCRETE PAD

BOILER EXHAUST STACK

BLDG. 41

PUMP ROOM

FILL CAPS
50K
PucLoiC

COMPRESSOR

DAY TANK (ABOVEGROUND)

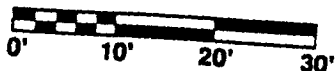
50,000 GALLON FUEL OIL TANKS

AIR COOLER WITH OVERHEAD LINES

SUMP

ASPHALT

APPROXIMATE SCALE



• **VADOSE ZONE WELL LOCATION**

DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVENUE
TORRANCE, CA.

SPECIFICATION NO. C6-93-02

FIGURE 1

UNDERGROUND STORAGE TANK 19T AND 20T LOCATION

BLDG. 1

SUBJECT TO FIELD INSPECTION

The approval of these plans and/or specifications does not exempt them from strict compliance with all other pertinent sections of the Municipal code and other laws and regulations.

6/6/94
APPROVED

#3757 BREEZEWAY
LOS ANGELES FIRE DEPARTMENT
BUREAU OF FIRE PREVENTION

BY *[Signature]*

CONCRETE PAD

PIPING
TRENCH

BLDG.
40

VENTS

COOLANT
RECOVERY
SYSTEM

PUMPS

TANK 11T-12T

1196'

TANK 13T-14T

362'

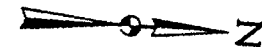
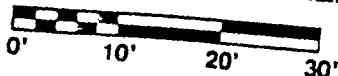
CONCRETE RAMP

APPROXIMATE LOCATION OF KNOWN UNDERGROUND UTILITIES

ASPHALT

APPROXIMATE LOCATION OF KNOWN UNDERGROUND UTILITIES

APPROXIMATE SCALE



9 VADOSE ZONE WELL LOCATION

DOUGLAS AIRCRAFT COMPANY
19503 S. NORMANDIE AVENUE
TORRANCE, CA.

SPECIFICATION NO. C6-93-01

FIGURE 1

UNDERGROUND STORAGE TANK 11T-14T LOCATION

APPENDIX B
SCAQMD RULE 1166
MONITORING RECORDS



South Coast
AIR QUALITY MANAGEMENT DISTRICT

9150 FLAIR DRIVE, EL MONTE, CA 91731 (818) 572-6200

November 1, 1991

Maness Environmental Services Inc
P. O. Box 7917
Long Beach, CA 90807-0917

(213) 595-4555
APPLICATION NO. 257250
COMPANY ID 69389

Attention: David Herrera

RULE 1166 CONTAMINATED SOIL MITIGATION PLAN

Reference is made to your Application (A/N 257250) received on October 22, 1991, for the excavation and handling of VOC-contaminated soil at various locations within the South Coast Air Quality Management District.

Your excavation and mitigation plan has been approved under the provisions of Rule 1166 of the Rules and Regulations of the SCAQMD and is subject to the following conditions.

PLAN CONDITIONS:

PROPERTY
OWNER'S
INITIALS

1. AT LEAST 24 HOURS PRIOR TO COMMENCING EXCAVATION OF UNDERGROUND TANKS WHICH HAVE STORED VOLATILE ORGANIC COMPOUNDS (VOC), THE EXECUTIVE OFFICER SHALL BE NOTIFIED OF ALL INFORMATION ITEMS LISTED IN RULE 1166(c)(1)(A) AND THE NAME OF THE COMPANY PERFORMING THE EXCAVATION. [JGH]

IF VOC-CONTAMINATED SOIL IS DETECTED, THE EXECUTIVE OFFICER SHALL BE NOTIFIED AGAIN WITHIN 24 HOURS. BOTH NOTIFICATIONS SHALL BE MADE BY CALLING (818) 572-6195, MONDAY THROUGH FRIDAY, BETWEEN 8 A.M. AND 5 P.M.

2. THIS PLAN IS VALID ONLY FOR THE EXCAVATION AND HANDLING OF A MAXIMUM OF 2000 CUBIC YARDS OF VOC-CONTAMINATED SOIL AT EACH SITE. EXCAVATION OF A GREATER AMOUNT REQUIRES SUBMITTAL OF A SITE SPECIFIC RULE 1166 EXCAVATION PLAN. [JGH]

3. ALL VOC-CONTAMINATED SOIL SHALL BE DISPOSED, BACKFILLED, OR REMOVED FROM THE SITE WITHIN 40 DAYS AFTER IT HAS BEEN EXCAVATED FROM THE AFFECTED AREAS. [257]

RECORDS OF DISPOSAL OR TREATMENT OF VOC-CONTAMINATED SOIL SHALL BE MAINTAINED FOR A PERIOD OF TWO (2) YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

4. THE OWNER OR OPERATOR SHALL PREPARE A WRITTEN PLAN WHICH INCLUDES METHODS TO TREAT THE VOC-CONTAMINATED SOIL, SCHEDULES TO HAUL THE SOIL AWAY, BACKFILL THE SOIL, OR OTHER MEANS OF DISPOSAL. THE PLAN SHALL ALSO INDICATE THAT THE NECESSARY PERMITS HAVE BEEN OBTAINED OR ARE IN THE PROCESS OF BEING OBTAINED. SUCH A PLAN SHALL BE PREPARED NO LATER THAN 5 DAYS AFTER THE COMPLETION OF THE EXCAVATION, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [258]
5. THE EXCAVATION SHALL BE CONDUCTED IN 50 FT. X 50 FT. OR SMALLER SECTIONS TO MINIMIZE EXPOSURE OF SOIL POTENTIALLY CONTAMINATED WITH VOC. [259]
6. THE EXCAVATION OPERATOR SHALL HAVE ON SITE AN ORGANIC VAPOR ANALYZER (OVA) USING FLAME IONIZATION OR PHOTO IONIZATION OR OTHER ANALYTICAL METHODS COMPLYING WITH 40 CFR PART 60 APPENDIX A, EPA METHOD 21 SECTION 3.1.1.a., "DETERMINATION OF VOLATILE ORGANIC COMPOUND LEAKS, MONITORING INSTRUMENT SPECIFICATIONS". [260]
7. THE OVA SHALL BE CAPABLE OF BEING CALIBRATED USING HEXANE AT A RANGE OF 0 PARTS PER MILLION BY VOLUME (PPMV) TO 50 PPMV AND AT A DETECTION RANGE OF AT LEAST 30 PPMV TO 1100 PPMV. THE OVA SHALL BE INITIALLY CALIBRATED USING HEXANE BY THE MANUFACTURER AND CALIBRATED AT LEAST ONCE AT THE BEGINNING OF EACH WORKING DAY WITH THE PROCEDURES SPECIFIED BY THE MANUFACTURER. [261]
8. DURING EXCAVATION, MONITORING SHALL BE CONDUCTED TO MEASURE VOC'S AT A DISTANCE NO MORE THAN 3 INCHES ABOVE THE FRESHLY DUG SOIL BY USING AN ORGANIC VAPOR ANALYZER (OVA) DESCRIBED UNDER CONDITION 7. THIS MEASUREMENT SHALL BE MADE FOR EVERY LOAD OF SOIL AND SHALL BE TAKEN NO LONGER THAN THREE (3) MINUTES AFTER EACH LOAD OF SOIL IS EXCAVATED. [262]
9. WRITTEN RECORDS OF OVA MONITORING AND CALIBRATIONS REQUIRED ABOVE SHALL BE KEPT IN A FORMAT APPROVED BY THE DISTRICT. A TYPICAL FORMAT IS ATTACHED WITH THIS PLAN. [263]
10. VOC-CONTAMINATED SOIL IS A SOIL WHICH REGISTERS 50 PPMV OR MORE WHEN MEASURED WITH AN ORGANIC VAPOR ANALYZER (CALIBRATED USING HEXANE) AT A DISTANCE OF NO MORE THAN THREE INCHES ABOVE EXCAVATED AND EXPOSED SOIL. [264]

November 1, 1991

257250

11. IF THE OVA MEASUREMENT IS BETWEEN 50 PPMV AND 1000 PPMV, [JGL]
- A) THE WORKING AREA SHALL BE IMMEDIATELY SPRAYED WITH WATER, OR COVERED WITH CLEAN SOIL OR TREATED WITH A DISTRICT APPROVED SUPPRESSANT, AND
 - B) EACH VOC-CONTAMINATED LOAD OF SOIL SHALL BE SPRAYED WITH WATER OR TREATED WITH A DISTRICT APPROVED VAPOR SUPPRESSANT AND BE STOCKPILED SEPARATELY.
12. IF THE OVA MEASUREMENT EQUALS OR IS GREATER THAN 1000 PPMV, [JGL]
- A) THE WORKING AREA SHALL BE SPRAYED WITH WATER OR DISTRICT APPROVED VAPOR SUPPRESSANTS OR COVERED WITH AT LEAST 4 INCHES OF CLEAN SOIL, AND
 - B) THE SOIL DUG UNDER THE ABOVE CONDITIONS SHALL BE STORED IN DISTRICT APPROVED CONTAINERS, AND
 - C) IN LIEU OF CONTAINERS, OTHER MITIGATION MEASURES MAY BE SUBSTITUTED WITH PRIOR WRITTEN APPROVAL OF THE EXECUTIVE OFFICER, IF THE OWNER OR OPERATOR CAN DEMONSTRATE THAT AN ALTERNATIVE MEASURE IS EQUALLY OR MORE EFFECTIVE IN REDUCING VOC EMISSIONS. PRIOR TO THE EXECUTIVE OFFICER'S APPROVAL, THE OWNER OR OPERATOR SHALL SUBMIT A COMPREHENSIVE WRITTEN STUDY WHICH COMPARES QUANTITATIVELY THE ESTIMATED VOC EMISSIONS DIFFERENCE BETWEEN THE ALTERNATIVE MITIGATION MEASURES.
13. ALL VOC-CONTAMINATED SOIL SHALL BE STOCKPILED SEPARATELY FROM NON VOC-CONTAMINATED SOIL AND KEPT MOIST, COVERED OR SPRAYED WITH WATER OR WITH A FUME SUPPRESSANT TO PREVENT EMISSIONS OF PARTICULATES OR VOC. [JGL]
14. AT THE END OF EACH WORKING DAY, ALL STOCKPILES SHALL BE COVERED WITH A HEAVY DUTY CONTINUOUS PLASTIC SHEET(S), JOINED AT THE SEAMS, AND SECURELY ANCHORED TO PREVENT ANY EXPOSURE OF SOIL TO THE ATMOSPHERE. [JGL]
15. A STOCKPILE SHALL NOT CONTAIN MORE THAN 450 CUBIC YARDS OF SOIL. [JGL]
16. WITHIN 5 DAYS AFTER THE EXCAVATION IS COMPLETED AT EACH SITE, THE WRITTEN RECORDS UNDER CONDITIONS 4 AND 9 SHALL BE SUBMITTED TO THE DISTRICT AT THE FOLLOWING ADDRESS. [JGL]

SCAQMD
ENFORCEMENT DIV.
9150 FLAIR DR.
EL MONTE CA. 91731

November 1, 1991

257250

- 4 -

17. VOC-CONTAMINATED SOIL SHALL NOT BE SPREAD ON-SITE OR OFF-SITE TO CAUSE THE EVAPORATION OF UNCONTROLLED VOC TO THE ATMOSPHERE. [OK]
18. THIS PLAN IS NOT VALID FOR EXCAVATING VOC-CONTAMINATED SOILS AT LANDFILLS OR SITES USED FOR DISPOSAL OF REFUSE OR OTHER TYPES OF WASTE. [OK]
19. THIS PLAN DOES NOT ALLOW ANY TREATMENT OF VOC-CONTAMINATED SOIL. [OK]
20. A COPY OF THIS PLAN SHALL BE PRESENT AT EACH EXCAVATION SITE DURING ALL SOIL HANDLING AND STORAGE PROCESSES. [OK]
21. THIS PLAN IS NOT VALID UNTIL THE VERIFICATION BELOW IS SIGNED. [OK]

I _____, AM THE OWNER OF THE PROPERTY
LOCATED AT _____
(SITE OF THE EXCAVATION). I VERIFY THAT I HAVE READ,
UNDERSTOOD, AND INITIALED EACH CONDITION OF THIS PLAN.

OG Hann
SIGNED

7/1/94
DATE

Other governmental agencies may require approval before any excavation begins. It shall be the responsibility of the applicant to obtain that approval. The South Coast Air Quality Management District shall not be responsible or liable for any losses because of measures required or taken pursuant to the requirements of this approved 1166 Contaminated Soil Mitigation Plan.

If you have any questions concerning this plan, please call Mr. Arthur Lawler at (818) 572-6406.

Very truly yours,

for *George Rhett*
George Rhett
Supervising A. Q. Engineer

AL R1166VXE

cc: Rudy Eden, Enforcement, Data Management Branch

Maness Environmental Services Inc
November 1, 1991
257250

- 5 -

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
RULE 1166 SOIL MONITORING RECORDS

SITE INFORMATION

OWNER: Logistics Aircraft
ADDRESS: 1100 Meadows
CITY: Tomball
ZIP CODE: _____
DATE OF EXCAVATION: 7-1-94

MONITORING INFORMATION

COMPANY: MANESS ENV
NAME OF PERSON: DAVE FARRIN
MONITOR MFG: _____
MODEL NO: _____
CALIBRATION GAS: _____

| TIME | VOC CONCENTRATION (ppmV) | | COMMENTS |
|-------|--------------------------|-------------------|----------|
| | EACH LOAD AS REMOVED | STOCKPILE SURFACE | |
| 10-30 | | ⊖ | |
| 10-45 | | ⊖ | |
| 11-00 | | ⊖ | |
| 11-15 | | ⊖ | |
| 12-00 | | ⊖ | |
| 12-15 | | ⊖ | |
| 12-30 | | ⊖ | |
| 1-00 | | ⊖ | |
| 1-30 | | ⊖ | |
| 2-00 | | ⊖ | |
| | | | |
| | | | |
| | | | |

SIGNATURE: _____

DATE: 7-1-94

$$A \setminus N$$

7/5/94

| <u>TIME</u> | <u>STOCKPILE / PPM Surface</u> | <u>OVER WORKING SURFACE</u> |
|-------------|------------------------------------|-----------------------------|
| 9:30 | ○ PPM | |
| 9:45 | ○ PPM | |
| 10:00 | ○ PPM | |
| 10:15 | ○ PPM | |
| 10:30 | ○ PPM | |
| 10:45 | ○ PPM | |
| 11:00 | ○ PPM | |
| 11:15 | } LUNCH | |
| 11:30 | | |
| 11:45 | ○ PPM | |
| 12:00 | ○ PPM - end of excavation | |
| 12:15 | | |
| 12:30 | | |
| 12:45 | | |
| 13:00 | | |

SIGNED:

2/5/94

APPENDIX C

HAZARDOUS WASTE MANIFEST

JUL 26 '94 13:15 13AC57-2579/- EGE61 P02

State of California—Environmental Protection Agency
Form Approved OMS No. 2050-0039 (Expires 9-30-94)
Revised or type. Form designed for use on site (12-inch) typewriter.

See instructions on back of page 6.

P.O.# 7711
Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1

Information in the shaded areas
is not required by Federal law.

CAD086510005 85901

of 1

3. Generator's Name and Mailing Address

Douglas Alroer Company Attn: Rob Tuell M/S C8-89
19503 South Normandie Avenue, Torrance, CA 90502

4. Generator's Phone (310) 533-7826

or (310) 633-7231

5. Transporter 1 Company Name

Laidlaw Environmental Services of CA, Inc.

6. US EPA ID Number

CAD000083121

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Chem-Tech Systems, Inc.

10. US EPA ID Number

3650 East 26th Street
Los Angeles, CA 90023

CAT080033681

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total
Quantity14. Unit
Wt/Vol

(Rinse water from diesel tanks and hydraulic oil
Non-RCRA hazardous waste liquid

001 TT

13360

P.

b. CERTIFICATE OF TREATMENT/RECYCLING

CHEM-TECH SYSTEMS, INC. certifies that the liquid waste received

c. with this manifest will be treated to standards mandated by the
FEDERAL CLEAN WATER ACT and the Los Angeles County Sanitation
District's effluent requirements. Treatment/recycling is performed under
permits granted by the California Department of Toxic Substances
Control, Environmental Protection Agency, Provisions of the Resource
Conservation and Recovery Act (RCRA) of 1976, and applicable federal
and state regulations. The generator's responsibility for this liquid waste

11a) Rinse water from diesel tanks
with rinse water from
tanks

15. Special Handling Instructions and Additional Information

24 Hour emergency (GENERABUMANAGER) 424-9300 (Chemtrec). DOT EFIG# 11a)31

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified,
packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be
economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future
threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best
waste management method that is available to me and that I can afford.

Printed/Typed Name

Robert G. Tuell, Jr.

Signature

Robert G. Tuell, Jr.

Month

Day

Year

07 05 94

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Kore Hunt

Signature

Kore Hunt

Month

Day

Year

07 05 94

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month

Day

Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

BRET KYLE

Signature

BRET KYLE

Month

Day

Year

07 05 94

DO NOT WRITE BELOW THIS LINE.

Yellow:

TSDP SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.

(Generators who submit hazardous waste for transport out-of-state,
produce completed copy of this copy and send to DTSC within 30 days.)

APPENDIX D

MARINE CHEMIST CERTIFICATE

Thomas D. Beck & Assoc., Inc.

10a HARBOR TESTING LABORATORY 40443

HOOR PHONE: (310) 492-9646

MANESS ENV.

vey Requested by

SEE BELOW

essel

DIESEL

st Cargo

JOB #

DOUGLAS AIRCRAFT

Vessel Owner or Agent

UNDERGROUND TANK

Type of Vessel

LEL, 0.2% V/V

Tests Performed

MARINE CHEMIST CERTIFICATE

Serial # 6717

6 JULY 99

Date

19503 S. NORMANDY

Specific Location of Vessel

1215 HRS

Time Survey Completed

6 UNDERGROUND TANKS
MARKED WITH YELLOW
SPRAY PAINT:

TESTED 00% LEL

20.8% OX/6EJ

6717.1; 6717.2; 6717.3

6717.4; 6717.5; 6717.6

SAFE FOR HOT WORK
NOT SAFE FOR WORKERS
TO ENTER. NOT TESTED

FOR SPECIFIC TOXICS.

TANKS HAVE BEEN CLEANED.

MSA MICROBARD CALIBRATED @ 0800 HRS 6 JULY 99

In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated.

STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate.

NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met.

ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified.

SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements.

NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met.

CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and issued subject to compliance with all qualifications and instructions.

MSA Microbard 7/6/99

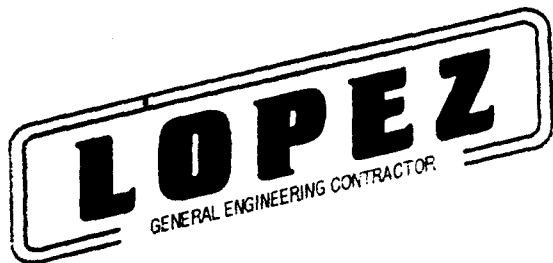
Signed

Thomas D. Beck

Certificate No.

APPENDIX E

TANK DISPOSAL CERTIFICATE



July 12, 1994

Maness Environmental
ATTN: Scott Hultner
1101 E. Spring Street
Long Beach, CA 90807-0917

Dear Scott,

SUBJECT: TANK DESTRUCTION CERTIFICATE

This letter is to certify that tank numbers 6717-1, 6717-2, 6717-3 & 6717-4, 6717-5 & 6717-6 in accordance with Marine Chemist Certificates, Serial Numbers 6717-1, 6717-2, 6717-3 & 6717-4, 6717-5 & 6717-6. Tanks received from McDonnell Douglas, Torrance, California.

Tanks were torched and cut into scrap classification of #1 prepared scrap, the entire tanks were cut into pieces no longer than (5) five feet or wider than 1 1/2 feet in size, therefore rendering this tank into scrap steel and sold as such.

Burner(s): David Martinez

Luis Vasquez

Rafael Vasquez

Elaine R. Bailey
Authorized Signature

July 12, 1994
Date

Customer Name : Maness Environmental

Customer P.O.#: Verbal - Scott Hultner

Not Valid without the corporate seal and signature

APPENDIX F
LABORATORY REPORTS

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/08/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1675 |
| | Long Beach, CA 90807 | Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/07/94 |
| | | Date Received: 07/07/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/07/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

EPA 418.1 - Total Recoverable Petroleum Hydrocarbons

| Sample ID | Concentration (mg/Kg) | Reporting Limits (mg/Kg) |
|-----------|--------------------------|--------------------------------|
| T13-7 | 7900 | 10. |
| T14-7 | 37 | 10. |
| T11/12-14 | 50 | 10. |
| T11-14 | ND | 10. |
| T12-14 | ND | 10. |
| SP-1 | ND | 10. |
| SP-2 | 2100 | 10. |
| SP-3 | 4600 | 10. |
| SP-4 | ND | 10. |
| SP-5 | ND | 10. |
| SP-6 | ND | 10. |
| SP-7 | 170 | 10. |
| SP-8 | 360 | 10. |
| SP-9 | ND | 10. |
| SP-10 | 260 | 10. |
| SP-11 | ND | 10. |
| T20A-16 | ND | 10. |
| T20B-16 | ND | 10. |
| T20C-16 | ND | 10. |
| T19A-16 | ND | 10. |
| T19B-16 | 35 | 10. |
| T19C-16 | 52 | 10. |

ND = Not Detected

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/08/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1675 |
| | Long Beach, CA 90807 | Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/07/94 |
| | | Date Received: 07/07/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/07/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

EPA 418.1 - Total Recoverable Petroleum Hydrocarbons

QUALITY CONTROL INFORMATION

Sample Spiked: T19A-16

| Parameters | MS Recovery | MSD Recovery | RPD | Acceptable Range |
|------------|----------------|-----------------|------|---------------------|
| Diesel | 110% | 111% | 1.5% | 65-125% |

Sample Spiked: T19C-16

| Parameters | MS Recovery | MSD Recovery | RPD | Acceptable Range |
|------------|----------------|-----------------|------|---------------------|
| Diesel | 103% | 108% | 4.5% | 65-125% |

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/08/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1675 |
| | Long Beach, CA 90807 | Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/07/94 |
| | | Date Received: 07/07/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/07/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

Modified EPA 8015 - Semi-Volatile Hydrocarbons (Diesel)

| Sample ID | Concentration (mg/Kg) | Reporting Limits (mg/Kg) |
|-----------|--------------------------|--------------------------------|
| SP-4 | ND | 10. |
| SP-5 | ND | 10. |
| SP-6 | ND | 10. |
| SP-7 | ND | 10. |
| SP-8 | ND | 10. |
| SP-9 | ND | 10. |
| SP-10 | ND | 10. |
| SP-11 | ND | 10. |
| T20A-16 | ND | 10. |
| T20B-16 | ND | 10. |
| T20C-16 | ND | 10. |
| T19A-16 | ND | 10. |
| T19B-16 | ND | 10. |
| T19C-16 | ND | 10. |

ND = Not Detected

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

Client: Maness Environmental
Client Address: 1101 E. Spring Street
Long Beach, CA 90807

Report Date: 07/08/94
JEL Ref. No.: 1675
Maness Ref. No.:

Contact: Scott Hultner
Project: Douglas Aircraft
Project Address: Torrance, CA

Date Sampled: 07/07/94
Date Received: 07/07/94
Date Analyzed: 07/07/94
Physical State: Soil

| Sample ID | EPA 8020 - Volatile Aromatic Hydrocarbons | | | | Reporting Limits (ug/Kg) |
|-----------|---|---------|--------------|---------|--------------------------------|
| | Concentration (ug/Kg) | | | | |
| | Benzene | Toluene | Ethylbenzene | Xylenes | |
| T13-7 | ND | ND | ND | ND | 5.0 |
| T14-7 | ND | ND | ND | ND | 5.0 |
| T11/12-14 | ND | ND | ND | ND | 5.0 |
| T11-14 | ND | ND | ND | ND | 5.0 |
| T12-14 | ND | ND | ND | ND | 5.0 |
| SP-1 | ND | ND | ND | ND | 5.0 |
| SP-2 | ND | ND | ND | ND | 5.0 |
| SP-3 | ND | ND | ND | ND | 5.0 |
| SP-4 | ND | ND | ND | ND | 5.0 |
| SP-5 | ND | ND | ND | ND | 5.0 |
| SP-6 | ND | ND | ND | ND | 5.0 |
| SP-7 | ND | ND | ND | ND | 5.0 |
| SP-8 | ND | ND | ND | ND | 5.0 |
| SP-9 | ND | ND | ND | ND | 5.0 |
| SP-10 | ND | ND | ND | ND | 5.0 |
| SP-11 | ND | ND | ND | ND | 5.0 |
| T20A-16 | ND | ND | ND | ND | 5.0 |
| T20B-16 | ND | ND | ND | ND | 5.0 |
| T20C-16 | ND | ND | ND | ND | 5.0 |
| T19A-16 | ND | ND | ND | ND | 5.0 |
| T19B-16 | ND | ND | ND | ND | 5.0 |
| T19C-16 | ND | ND | ND | ND | 5.0 |

ND = Not Detected

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/08/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1675 |
| | Long Beach, CA 90807 | Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/07/94 |
| | | Date Received: 07/07/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/07/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

EPA 8020 - Volatile Aromatic Hydrocarbons

QUALITY CONTROL INFORMATION

Sample Spiked: T19A-16

| Parameters | MS Recovery | MSD Recovery | RPD | Acceptable Range |
|------------|----------------|-----------------|------|---------------------|
| Toluene | 101% | 105% | 3.2% | 65-125% |
| o-Xylene | 100% | 105% | 4.3% | 65-125% |

Sample Spiked: T19C-16

| Parameters | MS Recovery | MSD Recovery | RPD | Acceptable Range |
|------------|----------------|-----------------|------|---------------------|
| Toluene | 102% | 103% | 0.7% | 65-125% |
| o-Xylene | 102% | 102% | 0.1% | 65-125% |

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference

Jones Environmental

TESTING LABORATORIES

LABORATORY REPORT


| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/08/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1675 |
| | Long Beach, CA 90807 | Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/07/94 |
| | | Date Received: 07/07/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/07/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

22 soil samples were received sealed, chilled, and intact.

22 soil samples were analyzed for volatile aromatic hydrocarbons by EPA 8020, and for total recoverable petroleum hydrocarbons by EPA 418.1.

14 soil samples were analyzed for semi-volatile hydrocarbons by modified 8015 as diesel.

Approval: _____


Steve Jones, Ph.D.
Laboratory Manager

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

| | | | |
|-------------------------|---------------------|-------------------------|----------------------|
| Client: | Jones Environmental | Report Date: | 07/13/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1579 |
| | Fullerton, CA 92635 | Client Ref. No.: | Maness Environmental |
| Attn: | Steve Jones | Date Sampled: | 07/07/94 |
| | | Date Received: | 07/08/94 |
| Project: | Douglas Aircraft | Date Extracted: | 07/08/94 |
| Project Address: | 19503 S. Normandie | Date Analyzed: | 07/12/94 |
| | Torrance, CA | Physical State: | Soil |

EPA 7420 - Total Lead by Flame AA

| <u>Sample ID</u> | <u>Concentration (mg/Kg)</u> | <u>Reporting Limits (mg/Kg)</u> |
|------------------|----------------------------------|---|
| T11/12-14 | ND | 10 |
| T11-14 | ND | 10 |
| T12-14 | ND | 10 |
| SP-1 | ND | 10 |
| SP-2 | ND | 10 |
| SP-3 | ND | 10 |
| SP-4 | ND | 10 |
| SP-5 | ND | 10 |
| SP-6 | ND | 10 |
| SP-7 | ND | 10 |
| SP-8 | ND | 10 |
| SP-9 | ND | 10 |
| SP-10 | ND | 10 |
| SP-11 | ND | 10 |
| T20-A16 | ND | 10 |
| T20-B16 | ND | 10 |
| T20-C16 | ND | 10 |
| T19-A16 | ND | 10 |
| T19-B16 | ND | 10 |
| T19-C16 | ND | 10 |

ND = Not Detected

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

| | | | |
|-------------------------|---------------------|-------------------------|----------|
| Client: | Jones Environmental | Report Date: | 07/14/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1600 |
| | Fullerton, CA 92635 | Client Ref. No.: | Maness |
| Attn: | Steve Jones | Date Sampled: | 07/07/92 |
| | | Date Received: | 07/12/94 |
| | | Date Extracted: | 07/13/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/13/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

EPA 7420 - Total Lead by Flame AA

| <u>Sample ID</u> | <u>Concentration</u> <u>(mg/Kg)</u> | <u>Reporting</u> <u>Limits</u> <u>(mg/Kg)</u> |
|------------------|--|---|
| T13-7 | ND | 10 |
| T14-7 | ND | 10 |

ND = Not Detected

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

| | | | |
|-------------------------|---------------------|-------------------------|----------------------|
| Client: | Jones Environmental | Report Date: | 07/13/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1579 |
| | Fullerton, CA 92635 | Client Ref. No.: | Maness Environmental |
| Attn: | Steve Jones | Date Sampled: | 07/07/94 |
| | | Date Received: | 07/08/94 |
| Project: | Douglas Aircraft | Date Extracted: | 07/08/94 |
| Project Address: | 19503 S. Normandie | Date Analyzed: | 07/12/94 |
| | Torrance, CA | Physical State: | Soil |

EPA 7420 - Total Lead by Flame AA

| | | |
|------------------|-----------------------|-----------------------------------|
| <u>Parameter</u> | <u>LMB</u> (mg/Kg) | <u>LCS</u> <u>Recovery (%)</u> |
| Lead | ND | 102 |

Sample Spiked: FEL 1579-18

| | | | | | |
|------------------|----------------------------------|-----------------------------------|------------|--|--------------------------------|
| <u>Parameter</u> | <u>MS</u> <u>Recovery (%)</u> | <u>MSD</u> <u>Recovery (%)</u> | <u>RPD</u> | <u>Acceptability</u> <u>Range (%)</u> | <u>RPD</u> <u>Range (%)</u> |
| Lead | 101 | 100 | 0.79 | 80 - 120 | 20 |

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

| | | | |
|-------------------------|---------------------|-------------------------|----------|
| Client: | Jones Environmental | Report Date: | 07/14/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1600 |
| | Fullerton, CA 92635 | Client Ref. No.: | Maness |
| Attn: | Steve Jones | Date Sampled: | 07/07/92 |
| | | Date Received: | 07/12/94 |
| | | Date Extracted: | 07/13/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/13/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

EPA 7420 - Total Lead by Flame AA

| <u>Parameter</u> | <u>LMB</u> <u>(mg/Kg)</u> | <u>LCS</u> <u>Recovery (%)</u> |
|------------------|------------------------------|-----------------------------------|
| Lead | ND | 104 |

Sample Spiked: FEL 1600-1

| <u>Parameter</u> | <u>MS</u> <u>Recovery (%)</u> | <u>MSD</u> <u>Recovery (%)</u> | <u>RPD</u> | <u>Acceptability</u> <u>Range (%)</u> | <u>RPD</u> <u>Range (%)</u> |
|------------------|----------------------------------|-----------------------------------|------------|--|--------------------------------|
| Lead | 103 | 101 | 2.1 | 80 - 120 | 20 |

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Fullerton Environmental Laboratory

LABORATORY REPORT

Client: Jones Environmental
Client Address: P. O. Box 5387
Fullerton, CA 92635

Report Date: 07/13/94
FEL Ref. No.: 1579
Client Ref. No.: Maness Environmental

Attn: Steve Jones

Project: Douglas Aircraft
Project Address: 19503 S. Normandie
Torrance, CA

Date Sampled: 07/07/94
Date Received: 07/08/94
Date Analyzed: 07/12/94
Physical State: Soil

ANALYSES REQUESTED

1. EPA 7420 - Total Lead by Flame AA

Approval:


Laboratory Manager
Beth Riley

Fullerton Environmental Laboratory

LABORATORY REPORT

Client: Jones Environmental
Client Address: P. O. Box 5387
Fullerton, CA 92635

Report Date: 07/14/94
FEL Ref. No.: 1600
Client Ref. No.: Maness

Attn: Steve Jones

Date Sampled: 07/07/92

Project: Douglas Aircraft
Project Address: Torrance, CA

Date Received: 07/12/94


Date Analyzed: 07/13/94

Physical State: Soil

ANALYSES REQUESTED

1. EPA 7420 - Total Lead by Flame AA

Approval:


Laboratory Manager
Beth Riley

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

| | | |
|-------------------------|---|--|
| Client: | Maness Environmental | Report Date: 07/15/94 |
| Client Address: | 1101 E. Spring Street Long Beach, CA 90807 | JEL Ref. No.: 1681 Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/14/94 |
| Project: | Douglas Aircraft | Date Received: 07/14/94 |
| Project Address: | Torrance, CA | Date Analyzed: 07/14/94 |
| | | Physical State: Soil |

EPA 418.1 - Total Recoverable Petroleum Hydrocarbons

| Sample ID | Concentration (mg/Kg) | Reporting Limits (mg/Kg) |
|-----------|--------------------------|--------------------------------|
| HA1-15 | 240 | 10. |
| HA2-5 | ND | 10. |
| HA2-10 | ND | 10. |
| HA2-15 | ND | 10. |
| HA3-5 | ND | 10. |
| HA3-10 | ND | 10. |
| HA3-15 | 63 | 10. |
| HA4-15 | 32 | 10. |
| HA1-9 | 700 | 10. |
| HA1-12 | 520 | 10. |
| HA4-9 | 60 | 10. |
| HA4-12 | 730 | 10. |

ND = Not Detected

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/15/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1681 |
| | Long Beach, CA 90807 | Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/14/94 |
| | | Date Received: 07/14/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/14/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

EPA 418.1 - Total Recoverable Petroleum Hydrocarbons

QUALITY CONTROL INFORMATION

Sample Spiked: HA2-15

| Parameters | MS Recovery | MSD Recovery | RPD | Acceptable Range |
|------------|----------------|-----------------|------|---------------------|
| Diesel | 105% | 97% | 7.5% | 65-125% |

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/15/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1681 |
| | Long Beach, CA 90807 | Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/14/94 |
| | | Date Received: 07/14/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/14/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

| EPA 8020 - Volatile Aromatic Hydrocarbons | | | | | |
|---|--------------------------|---------|--------------|---------|---------------------|
| Sample ID | Concentration (ug/Kg) | | | | Reporting Limits |
| | Benzene | Toluene | Ethylbenzene | Xylenes | (ug/Kg) |
| HA1-15 | ND | ND | ND | ND | 5.0 |
| HA2-5 | ND | ND | ND | ND | 5.0 |
| HA2-10 | ND | ND | ND | ND | 5.0 |
| HA2-15 | ND | ND | ND | ND | 5.0 |
| HA3-5 | ND | ND | ND | ND | 5.0 |
| HA3-10 | ND | ND | ND | ND | 5.0 |
| HA3-15 | ND | ND | ND | ND | 5.0 |
| HA4-15 | ND | ND | ND | ND | 5.0 |
| HA1-9 | ND | ND | ND | ND | 5.0 |
| HA1-12 | ND | ND | ND | ND | 5.0 |
| HA4-9 | ND | ND | ND | ND | 5.0 |
| HA4-12 | ND | ND | ND | ND | 5.0 |

ND = Not Detected

Jones Environmental

TESTING LABORATORIES

LABORATORY RESULTS

| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/15/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1681 |
| | Long Beach, CA 90807 | Maness Ref. No.: |
| Contact: | Scott Hultner | Date Sampled: 07/14/94 |
| | | Date Received: 07/14/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/14/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

EPA 8020 - Volatile Aromatic Hydrocarbons

QUALITY CONTROL INFORMATION

Sample Spiked: HA4-15

| Parameters | MS Recovery | MSD Recovery | RPD | Acceptable Range |
|------------|----------------|-----------------|------|---------------------|
| Toluene | 99% | 102% | 2.8% | 65-125% |
| o-Xylene | 98% | 101% | 3.4% | 65-125% |

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference

FULLERTON ENVIRONMENTAL

LABORATORY RESULTS

| | | | |
|-------------------------|---------------------|-------------------------|-----------------|
| Client: | Jones Environmental | Report Date: | 07/19/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1618 |
| | Fullerton, CA 92635 | Client Ref. No.: | JEL 1681/Maness |
| Attn: | Steve Jones | Date Sampled: | 07/14/94 |
| | | Date Received: | 07/15/94 |
| | | Date Extracted: | 07/18/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/18/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

EPA 7420 - Total Lead by Flame AA

| <u>Sample ID</u> | <u>Concentration (mg/Kg)</u> | <u>Reporting Limits (mg/Kg)</u> |
|------------------|----------------------------------|---|
| HA 1-15 | ND | 10 |
| HA 2-5 | ND | 10 |
| HA 2-10 | ND | 10 |
| HA 2-15 | ND | 10 |
| HA 3-5 | ND | 10 |
| HA 3-10 | ND | 10 |
| HA 3-15 | ND | 10 |
| HA 4-15 | ND | 10 |
| HA 1-9 | ND | 10 |
| HA 1-12 | ND | 10 |
| HA 4-9 | ND | 10 |
| HA 4-12 | ND | 10 |

ND = Not Detected

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

| | | | |
|-------------------------|---------------------|-------------------------|-----------------|
| Client: | Jones Environmental | Report Date: | 07/19/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1618 |
| | Fullerton, CA 92635 | Client Ref. No.: | JEL 1681/Maness |
| Attn: | Steve Jones | Date Sampled: | 07/14/94 |
| | | Date Received: | 07/15/94 |
| | | Date Extracted: | 07/18/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/18/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

EPA 7420 - Total Lead by Flame AA

| <u>Parameter</u> | <u>LMB (mg/Kg)</u> | <u>LCS Recovery (%)</u> |
|------------------|------------------------|-----------------------------|
| Lead | ND | 112 |

Sample Spiked: FEL 1611-2

| <u>Parameter</u> | <u>MS Recovery (%)</u> | <u>MSD Recovery (%)</u> | <u>RPD</u> | <u>Acceptability Range (%)</u> | <u>RPD Range (%)</u> |
|------------------|----------------------------|-----------------------------|------------|------------------------------------|--------------------------|
| Lead | 113 | 111 | 1.79 | 80 - 120 | 20 |

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Jones Environmental

TESTING LABORATORIES


LABORATORY REPORT

| | | |
|-------------------------|-----------------------|--------------------------------|
| Client: | Maness Environmental | Report Date: 07/15/94 |
| Client Address: | 1101 E. Spring Street | JEL Ref. No.: 1681 |
| | Long Beach, CA 90807 | Maness Ref. No.: 40443 |
| Contact: | Scott Hultner | Date Sampled: 07/14/94 |
| | | Date Received: 07/14/94 |
| Project: | Douglas Aircraft | Date Analyzed: 07/14/94 |
| Project Address: | Torrance, CA | Physical State: Soil |

12 soil samples were received sealed, chilled, and intact.

12 soil samples were analyzed for volatile aromatic hydrocarbons by EPA 8020, and for total recoverable petroleum hydrocarbons by EPA 418.1.

Approval: _____


Steve Jones, Ph.D.
Laboratory Manager

Fullerton Environmental Laboratory

LABORATORY REPORT

| | | | |
|------------------|---------------------|------------------|-----------------|
| Client: | Jones Environmental | Report Date: | 07/19/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1618 |
| | Fullerton, CA 92635 | Client Ref. No.: | JEL 1681/Maness |
| Attn: | Steve Jones | Date Sampled: | 07/14/94 |
| | | Date Received: | 07/15/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/18/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

ANALYSES REQUESTED

1. EPA 7420 - Total Lead by Flame AA

Approval:


Laboratory Manager
Beth Riley

Jones Environmental

TESTING LABORATORIES

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Maness Environmental
Client Address: P.O. Box 90939
Long Beach, CA 90809

Report Date: 07/21/94
JEL Ref. No.: 1687
Client Ref. No.: 40443

Attn: Attn: Scott Hultner

Date Sampled: 07/20/94
Date Received: 07/20/94
Date Analyzed: 07/20-21/94
Physical State: Soil

Project: Douglas Aircraft
Project Address: Torrence, CA

EPA 418.1 - Total Recoverable Petroleum Hydrocarbons

| <u>Sample ID</u> | <u>Concentration (mg/Kg)</u> | <u>Reporting Limits (mg/Kg)</u> |
|------------------|----------------------------------|---|
| SP12 | ND | 10 |
| SP13 | 130 | 10 |
| SP14 | 160 | 10 |
| SP15 | 130 | 10 |
| SP16 | 330 | 10 |
| SP17 | 160 | 10 |
| SP18 | 550 | 10 |
| SP19 | 140 | 10 |
| SP20 | 84 | 10 |
| SP21 | 120 | 10 |
| SP22 | 270 | 10 |
| SP23 | 160 | 10 |
| SP25 | 48 | 10 |
| SP26 | 260 | 10 |
| HA4-20 | ND | 10 |
| HA1-20 | ND | 10 |
| HA3-20 | ND | 10 |

ND = Not Detected

Jones Environmental

TESTING LABORATORIES

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

Client: Maness Environmental
Client Address: P.O. Box 90939
Long Beach, CA 90809

Report Date: 07/21/94
JEL Ref. No.: 1687
Client Ref. No.: 40443

Attn: Attn: Scott Hultner

Date Sampled: 07/20/94
Date Received: 07/20/94
Date Analyzed: 07/20-21/94
Physical State: Soil

Project: Douglas Aircraft
Project Address: Torrence, CA

EPA 418.1 - Total Recoverable Petroleum Hydrocarbons

Sample Spiked: HA1-20

| <u>Parameter</u> | <u>MS Recovery</u> | <u>MSD Recovery</u> | <u>RPD</u> | <u>Acceptability Range</u> |
|------------------|------------------------|-------------------------|------------|--------------------------------|
| Diesel | 98% | 100% | 1.6% | 65 - 125% |

MS = Matrix Spike

MSD = Matrix Spike Duplicate

RPD = Relative Percent Difference

Jones Environmental

TESTING LABORATORIES

JONES ENVIRONMENTAL

LABORATORY RESULTS

| | | | |
|-------------------------|----------------------|-------------------------|-------------|
| Client: | Maness Environmental | Report Date: | 07/21/94 |
| Client Address: | P.O. Box 90939 | JEL Ref. No.: | 1687 |
| | Long Beach, CA 90809 | Client Ref. No.: | 40443 |
| Attn: | Attn: Scott Hultner | Date Sampled: | 07/20/94 |
| | | Date Received: | 07/20/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/20-21/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

Modified EPA 8015 - Semi-Volatile Hydrocarbons (Diesel)

| <u>Sample ID</u> | <u>Concentration</u> <u>(mg/Kg)</u> | <u>Reporting</u> <u>Limits</u> <u>(mg/Kg)</u> |
|------------------|--|---|
| SP12 | ND | 10. |
| SP13 | ND | 10. |
| SP14 | ND | 10. |
| SP15 | ND | 10. |
| SP16 | ND | 10. |
| SP17 | ND | 10. |
| SP18 | ND | 10. |
| SP19 | ND | 10. |
| SP20 | ND | 10. |
| SP21 | ND | 10. |
| SP22 | ND | 10. |
| SP23 | ND | 10. |
| SP24 | ND | 10. |

ND = Not Detected

Jones Environmental

TESTING LABORATORIES

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

| | | | |
|-------------------------|----------------------|-------------------------|-------------|
| Client: | Maness Environmental | Report Date: | 07/21/94 |
| Client Address: | P.O. Box 90939 | JEL Ref. No.: | 1687 |
| | Long Beach, CA 90809 | Client Ref. No.: | 40443 |
| Attn: | Attn: Scott Hultner | Date Sampled: | 07/20/94 |
| | | Date Received: | 07/20/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/20-21/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

Modified EPA 8015 - Semi-Volatile Hydrocarbons (Diesel)

Sample Spiked: HA4-20

| <u>Parameter</u> | <u>MS Recovery (%)</u> | <u>MSD Recovery (%)</u> | <u>RPD</u> | <u>Acceptability Range (%)</u> |
|------------------|----------------------------|-----------------------------|------------|------------------------------------|
| Diesel | 116% | 111% | 4.8% | 65 - 125 |

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Jones Environmental

TESTING LABORATORIES

JONES ENVIRONMENTAL

LABORATORY RESULTS

| | | | |
|-------------------------|----------------------|-------------------------|-------------|
| Client: | Maness Environmental | Report Date: | 07/21/94 |
| Client Address: | P.O. Box 90939 | JEL Ref. No.: | 1687 |
| | Long Beach, CA 90809 | Client Ref. No.: | 40443 |
| Attn: | Attn: Scott Hultner | Date Sampled: | 07/20/94 |
| | | Date Received: | 07/20/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/20-21/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

EPA 8020 - Volatile Aromatic Hydrocarbons

| <u>Sample ID</u> | <u>Concentration (ug/Kg)</u> | | | | <u>Reporting Limits (ug/Kg)</u> |
|------------------|------------------------------|----------------|---------------------|----------------|---|
| | <u>Benzene</u> | <u>Toluene</u> | <u>Ethylbenzene</u> | <u>Xylenes</u> | |
| SP-13 | ND | ND | ND | ND | 5.0 |
| SP-14 | ND | ND | ND | ND | 5.0 |
| SP-15 | ND | ND | ND | ND | 5.0 |
| SP-16 | ND | ND | ND | ND | 5.0 |
| SP-17 | ND | ND | ND | ND | 5.0 |
| SP-18 | ND | ND | ND | ND | 5.0 |
| SP-19 | ND | ND | ND | ND | 5.0 |
| SP-21 | ND | ND | ND | ND | 5.0 |
| SP-22 | ND | ND | ND | ND | 5.0 |
| SP-23 | ND | ND | ND | ND | 5.0 |
| SP-24 | ND | ND | ND | ND | 5.0 |
| SP-26 | ND | ND | ND | ND | 5.0 |
| HA4-20 | ND | ND | ND | ND | 5.0 |
| HA1-20 | ND | ND | ND | ND | 5.0 |
| HA3-20 | ND | ND | ND | ND | 5.0 |

ND = Not Detected

Jones Environmental

TESTING LABORATORIES

JONES ENVIRONMENTAL

QUALITY CONTROL INFORMATION

| | | | |
|------------------|----------------------|------------------|-------------|
| Client: | Maness Environmental | Report Date: | 07/21/94 |
| Client Address: | P.O. Box 90939 | JEL Ref. No.: | 1687 |
| | Long Beach, CA 90809 | Client Ref. No.: | 40443 |
| Attn: | Attn: Scott Hultner | Date Sampled: | 07/20/94 |
| | | Date Received: | 07/20/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/20-21/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

EPA 8020 - Volatile Aromatic Hydrocarbons

Sample Spiked: HA4-20

| Parameter | MS Recovery (%) | MSD Recovery (%) | RPD | Acceptability Range (%) |
|-----------|--------------------|---------------------|------|----------------------------|
| Toluene | 97% | 100% | 3.1% | 65 - 125 |
| o-Xylene | 95% | 100% | 5.3% | 65 - 125 |

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Jones Environmental

TESTING LABORATORIES
JONES ENVIRONMENTAL

LABORATORY REPORT

Client: Maness Environmental
Client Address: P.O. Box 90939
Long Beach, CA 90809

Report Date: 07/21/94
JEL Ref. No.: 1687
Client Ref. No.: 40443

Attn: Attn: Scott Hultner

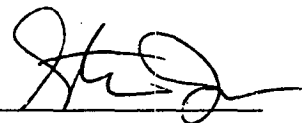
Date Sampled: 07/20/94
Date Received: 07/20/94
Date Analyzed: 07/20-21/94
Physical State: Soil

Project: Douglas Aircraft
Project Address: Torrence, CA

ANALYSES REQUESTED

1. EPA 418.1 - Total Recoverable Petroleum Hydrocarbons
2. EPA 8020 - Volatile Aromatic Hydrocarbons
3. Mod 8015 Diesel - Semi-Volatile Hydrocarbons

Approval:



Steve Jones, Ph.D.
Laboratory Manager

**FULLERTON ENVIRONMENTAL
LABORATORY RESULTS**

| | | | |
|-------------------------|---------------------|-------------------------|--------------|
| Client: | Jones Environmental | Report Date: | 07/27/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1644 |
| | Fullerton, CA 92635 | Client Ref. No.: | 40443/Maness |
| Attn: | Steve Jones | Date Sampled: | 07/20/94 |
| | | Date Received: | 07/24/94 |
| | | Date Extracted: | 07/22/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/26/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

EPA 7420 - Total Lead by Flame AA

| <u>Sample ID</u> | <u>Concentration (mg/Kg)</u> | <u>Reporting Limits (mg/Kg)</u> |
|------------------|----------------------------------|---|
| HA 1-20 | ND | 10 |
| HA 4-20 | ND | 10 |
| HA 3-20 | ND | 10 |

ND = Not Detected

FULLERTON ENVIRONMENTAL
QUALITY CONTROL INFORMATION

| | | | |
|-------------------------|---------------------|-------------------------|--------------|
| Client: | Jones Environmental | Report Date: | 07/27/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1644 |
| | Fullerton, CA 92635 | Client Ref. No.: | 40443/Maness |
| Attn: | Steve Jones | Date Sampled: | 07/20/94 |
| | | Date Received: | 07/24/94 |
| | | Date Extracted: | 07/22/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/26/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

EPA 7420 - Total Lead by Flame AA

| <u>Parameter</u> | <u>LMB (mg/Kg)</u> | <u>LCS Recovery (%)</u> |
|------------------|------------------------|-----------------------------|
| Lead | ND | 106 |

Sample Spiked: FEL 1644-1

| <u>Parameter</u> | <u>MS Recovery (%)</u> | <u>MSD Recovery (%)</u> | <u>RPD</u> | <u>Acceptability Range (%)</u> | <u>RPD Range (%)</u> |
|------------------|----------------------------|-----------------------------|------------|------------------------------------|--------------------------|
| Lead | 104 | 103 | 0.39 | 80 - 120 | 20 |

LMB = Laboratory Method Blank
LCS = Laboratory Control Sample
ND = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference

Fullerton Environmental Laboratory

LABORATORY REPORT

| | | | |
|-------------------------|---------------------|-------------------------|--------------|
| Client: | Jones Environmental | Report Date: | 07/27/94 |
| Client Address: | P. O. Box 5387 | FEL Ref. No.: | 1644 |
| | Fullerton, CA 92635 | Client Ref. No.: | 40443/Maness |
| Attn: | Steve Jones | Date Sampled: | 07/20/94 |
| | | Date Received: | 07/24/94 |
| Project: | Douglas Aircraft | Date Analyzed: | 07/26/94 |
| Project Address: | Torrance, CA | Physical State: | Soil |

ANALYSES REQUESTED

1. EPA 7420 - Total Lead by Flame AA

Approval:

Beth Riley / smc
Laboratory Manager
Beth Riley

APPENDIX G

CHAIN OF CUSTODY DOCUMENTS

Chain-Of-Custody Record

Client

FLANESS

Project Name

DOUGLAS AIRCRAFT

Project Address

19503 S. NORMANDIE

TORRANCE

Project Contact

Date

7/7/94

Client Project #

Turn Around Requested:

- ☐ Immediate Attention
☐ Rush 24-48 Hours
☐ Rush 72-96 Hours
☐ Normal
☒ Mobile Lab

Analysis Requested

Sample Matrix: Soil (S), Sludge (SL), Aqueous (A)
418.1
MB015 DIESEL
8020
7420

JEL Project #

1675

Page

1 of 3

Lab Use Only

Sample Condition as Received:

Chilled ☐ yes ☐ no

Sealed ☐ yes ☐ no

| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) | Analysis Requested | Number of Containers | Container/Comments |
|-----------|-----------------|--------|-------|--------------------------|---|--------------------|----------------------|--------------------|
| T13-7 | | 7/7/94 | 10:25 | 1675-001 | S | X | X | 1 |
| T14-7 | | 7/7/94 | 10:25 | 1675-002 | S | X | X | 1 |
| T11/12-14 | | 7/7/94 | 1105 | 1675-003 | S | X | X | 1 |
| T11-14 | | 7/7/94 | 1105 | 1675-004 | S | X | X | 1 |
| T12-14 | | 7/7/94 | 1111 | 1675-005 | S | X | X | 1 |
| SP-1 | | 7/7/94 | 1111 | 1675-006 | S | X | X | 1 |
| SP-2 | | 7/7/94 | 1111 | 1675-007 | S | X | X | 1 |
| SP-3 | | 7/7/94 | 11:11 | 1675-008 | S | X | X | 1 |
| SP-4 | | 7/7/94 | 1225 | 1675-009 | S | X | X | 1 |
| SP-5 | | 7/7/94 | 1220 | 1675-010 | S | X | X | 1 |

① Relinquished by (signature)

[Signature]

Company

FLANESS

② Relinquished by (signature)

Company

Date

7-7-94

Time

1:30

Date

Time

③ Received by (signature)

[Signature]

Company

JONES ENVIRONMENTAL

④ Received by Laboratory (signature)

Company

Date

7/7/94

Time

12:30

Date

Time

Total Number of Containers

Additional Comments

Chain-Of-Custody Record

Client

MANESS

Project Name

DOUGLAS AIRCRAFT

Project Address

19503 S. NORMANDIE

TORRANCE

Project Contact

Date

7-7-94

Client Project #

Turn Around Requested:

- ☐ Immediate Attention
☐ Rush 24-48 Hours
☐ Rush 72-96 Hours
☐ Normal
☒ Mobile Lab

Analysis Requested

Sample Matrix: Soil (S), Sludge (SL), Aqueous (A)
418.1
8020
7420
MOD ALIASE

JEL Project #

1675

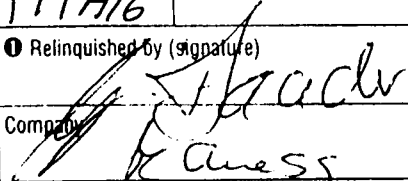
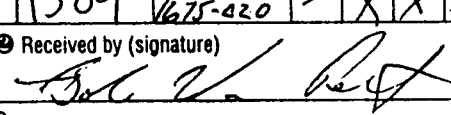
Page

2 of 3

Lab Use Only

Sample Condition as Received:

Chilled ☐ yes ☐ no
Sealed ☐ yes ☐ no

| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) | Analysis Requested | Number of Containers | Container/Comments |
|--|-----------------|--------|--|--------------------------|---|----------------------------|----------------------|--------------------|
| SP-6 | | 7/7/94 | 1215 | 1675-011 | S | X X X X | 1 | |
| SP-7 | | 7/7/94 | 1215 | 1675-012 | S | X X X X | 1 | |
| SP-8 | | 7/7/94 | 1208 | 1675-013 | S | X X X X | 1 | |
| SP-9 | | 7/7/94 | 1210 | 1675-014 | S | X X X X | 1 | |
| SP-10 | | 7/7/94 | 1205 | 1675-015 | S | X X X X | 1 | |
| SP-11 | | 7/7/94 | 1200 | 1675-016 | S | X X X X | 1 | |
| T20A16 | | 7/7/94 | 1233 | 1675-017 | S | X X X X | 1 | |
| T20B16 | | 7/7/94 | 1233 | 1675-018 | S | X X X X | 1 | |
| T20C16 | | 7/7/94 | 1236 | 1675-019 | S | X X X X | 1 | |
| T19A16 | | 7/7/94 | 1309 | 1675-020 | S | X X X X | 1 | |
| ① Relinquished by (signature) | | Date | ② Received by (signature) | | Date | Total Number of Containers | | |
|  | | 7-7-94 |  | | 7/7/94 | 10 | | |
| Company | | Time | Company | | Time | Additional Comments | | |
| MANESS | | 1:30 | JONES ENVIRONMENTAL | | 1320 | | | |
| ③ Relinquished by (signature) | | Date | ④ Received by Laboratory (signature) | | Date | | | |
| | | | | | | | | |
| Company | | Time | Company | | Time | | | |
| | | | | | | | | |

Chain-Of-Custody Record

Client **Maness**

Project Name **Douglas Aircraft**

Project Address **19503 S. Normandie
Torrance**

Project Contact

Date 7/7/94

Client Project #

Turn Around Requested:

- ☐ Immediate Attention
☐ Rush 24-48 Hours
☐ Rush 72-96 Hours
☐ Normal
☒ Mobile Lab

Analysis Requested

/ JEL Project #

1675

Page

3 of 3

Lab Use Only

**Sample Condition
as Received:**

Chilled ☐ yes ☐ noSealed ☐ yes ☐ no[illegible]

① Relinquished by (signature)

Date _____

② Received by (signature)

Date _____

Total Number of Containers

Company

Time _____

Company

Time

Additional Comments

③ Relinquished by (signature)

Date _____

① Received by Laboratory (signature)

Date

| | |
|---------|--|
| Company | |
|---------|--|

Time

Company

Time

Chain-Of-Custody Record

Client MANESS ENVIRONMENTAL

Project Name DOUGLAS AIRCRAFT

Project Address 19503 S. NORMAN BLVD

TORRANCE CA

Project Contact SCOTT HULTMAN

Date 7/7/94

Client Project #

Turn Around Requested:

- ☐ Immediate Attention
☐ Rush 24-48 Hours
☐ Rush 72-96 Hours
☒ Normal
☐ Mobile Lab

Analysis Requested

JEL Project #

1579

Page 1 of 3

Lab Use Only

Sample Condition as Received:

Chilled ☐ yes ☐ no
Sealed ☐ yes ☐ no

| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) | Analysis Requested | Number of Containers | Container/Comments |
|-----------|-----------------|--------|-------|--------------------------|---|--------------------|----------------------|--------------------|
| T13-7 | | 7/7/94 | 10:25 | 1 | S X | | 1 | 25ml Glass Jars |
| T14-7 | | 7/7/94 | 10:25 | 2 | S X | | 1 | |
| T11/12-14 | | 7/2/94 | 11:05 | 3 | S X | | 1 | |
| T11-14 | | 7/7/94 | 11:05 | 4 | S X | | 1 | |
| T12-14 | | 7/7/94 | 11:11 | 5 | S X | | 1 | |
| SP-1 | | 7/7/94 | 11:11 | 6 | S X | | 1 | |
| SP-2 | | 7/7/94 | 11:11 | 7 | S X | | 1 | |
| SP-3 | | 7/7/94 | 11:11 | 8 | S X | | 1 | |
| SP-4 | | 7/7/94 | 12:25 | 9 | S X | | 1 | |
| SP-5 | | 7/7/94 | 12:20 | 10 | S X | | 1 | |

① Relinquished by (signature)

Date 7/8/94

Company JEL / FEL

Time 7:45

② Received by (signature)

Company

Date 7-8-94

Time 0745

Total Number of Containers

Additional Comments

③ Relinquished by (signature)

Date

Company

Time

④ Received by Laboratory (signature)

Company

Date

Time

Chain-Of-Custody Record

Client MAHESI ENVIRONMENTAL
 Project Name DOUGLAS AIRCRAFT
 Project Address 19503 S. NORMANDIE
TORRANCE
 Project Contact SCOTT HULTMER

Date 7/7/94
 Client Project # _____
 Turn Around Requested:
☐ Immediate Attention
☐ Rush 24-48 Hours
☐ Rush 72-96 Hours
☒ Normal
☐ Mobile Lab

Analysis Requested

JEL Project #

1579

Page 2 of 3

Lab Use Only

Sample Condition as Received:

Chilled ☐ yes ☐ no

Sealed ☐ yes ☐ no

| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) | | | | | | | | | | Number of Containers | Container/Comments |
|-----------|-----------------|--------|-------|--------------------------|---|---|--|--|--|--|--|--|--|--|----------------------|--------------------|
| SP-6 | | 7/7/94 | 12:15 | 11 | S | X | | | | | | | | | 1 | 125 ml GASS JARS |
| SP-7 | | 7/7/94 | 12:15 | 12 | S | X | | | | | | | | | 1 | |
| SP-8 | | 7/7/94 | 12:18 | 13 | S | X | | | | | | | | | 1 | |
| SP-9 | | 7/7/94 | 12:10 | 14 | S | X | | | | | | | | | 1 | |
| SP-10 | | 7/7/94 | 12:15 | 15 | S | X | | | | | | | | | 1 | |
| SP-11 | | 7/7/94 | 12:10 | 16 | S | X | | | | | | | | | 1 | |
| TW-A16 | | 7/7/94 | 12:33 | 17 | S | X | | | | | | | | | 1 | |
| TW-B16 | | 7/7/94 | 12:33 | 18 | S | X | | | | | | | | | 1 | |
| TW-C16 | | 7/7/94 | 12:36 | 19 | S | X | | | | | | | | | 1 | |
| TL9-A16 | | 7/7/94 | 13:19 | 20 | S | X | | | | | | | | | 1 | |

① Relinquished by (signature) [Signature]
 Company JEL / FEL
 ④ Relinquished by (signature) _____
 Company _____

Date 7/8/94
 Time 7:45
 Date _____
 Time _____

② Received by (signature) [Signature]
 Company FEL
 ③ Received by Laboratory (signature) _____
 Company _____

Date 7-8-94
 Time 07:45
 Date _____
 Time _____

Total Number of Containers 10
 Additional Comments _____

Chain-Of-Custody Record

[illegible]

[illegible]

Chain-Of-Custody Record

| Client MANESS ENV. | | Date 7-14-94 | | <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Sample Matrix: Soil (S), Sludge (SL), Aqueous (A)</div> <div style="text-align: center;"> 418.1 8020 7420 </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Number of Containers</div> </div> | | | | | | | | | | JEL Project # 1681 | | |
|---|--------------------|--|-------|--|--------------------|------------------------|---|---|--|---------------------|--|--|--|--|--------------------|--|
| Project Name DOUGLAS AIRCRAFT CO | | Client Project # 40443 | | | | | | | | | | | | Page 1 of 2 | | |
| Project Address 195035 NORMANDIE AVE | | Turn Around Requested: <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24-48 Hours <input type="checkbox"/> Rush 72-96 Hours <input type="checkbox"/> Normal <input type="checkbox"/> Mobile Lab | | | | | | | | | | | | Lab Use Only Sample Condition as Received: Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no | | |
| Project Contact SCOTT / GABI | | | | | | | | | | | | | | | | |
| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Analysis Requested | | | | | | | | | | Container/Comments | |
| HA1-15' | BENEATH PORTER UST | 7/14 | 9:25 | 1681-001 | S | X | X | X | | | | | | | 1 | |
| HA2-5' | SW OF UST | 7/14 | 10:00 | 1681-002 | S | X | X | X | | | | | | | 1 | |
| HA2-10' | SW OF UST | 7/14 | 10:20 | 1681-003 | S | X | X | X | | | | | | | 1 | |
| HA2-15' | SW OF UST | 7/14 | 11:55 | 1681-004 | S | X | X | X | | | | | | | 1 | |
| HA3-5' | S OF UST | 7/14 | 9:50 | 1681-005 | S | X | X | X | | | | | | | 1 | |
| HA3-10' | S OF UST | 7/14 | 10:40 | 1681-006 | S | X | X | X | | | | | | | 1 | |
| HA3-15' | S OF UST | 7/14 | 12:10 | 1681-007 | S | X | X | X | | | | | | | 1 | |
| HA4-15' | E OF UST | 7/14 | 9:30 | 1681-008 | S | X | X | X | | | | | | | 1 | |
| HA1-9' | BENEATH PORTER UST | 7/14 | 9:15 | 1681-009 | S | X | X | X | | | | | | | 1 | |
| HA1-12' | BENEATH PORTER UST | 7/14 | 9:20 | 1681-010 | S | X | X | X | | | | | | | 1 | |
| ① Relinquished by (signature) <i>[Signature]</i> | | Date 7-14-94 | | ② Received by (signature) <i>[Signature]</i> | | Date 7-14-94 | | Total Number of Containers 10 | | Additional Comments | | | | | | |
| Company MANESS | | Time 3:00pm | | Company JONES | | Time 4:35 | | | | | | | | | | |
| ③ Relinquished by (signature) | | Date | | ④ Received by Laboratory (signature) | | Date | | | | | | | | | | |
| Company | | Time | | Company | | Time | | | | | | | | | | |

Chain-Of-Custody Record

| Client MANESS ENV. | | Date 7-14-94 | | | | | | | | | | JEL Project # 1681 | | | |
|--|-----------------|--|------|--|----------------------|------|---|----------------------------|--|--|--|---|--------------------|---|--|
| Project Name DOUGLAS AIRCRAFT CO | | Client Project # 40443 | | | | | | | | | | Page 2 of 2 | | | |
| Project Address 19503 S. NORMANDIE AV TOLRANCE, CA. 90502 | | Turn Around Requested: | | Analysis Requested Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) 418.1 8020 7420 | | | | | | | | Lab Use Only | | | |
| | | <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24-48 Hours <input type="checkbox"/> Rush 72-96 Hours <input type="checkbox"/> Normal <input type="checkbox"/> Mobile Lab | | | | | | | | | | Sample Condition as Received: Chilled <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Sealed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | | | |
| Project Contact | | | | | | | | | | | | | | | |
| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Number of Containers | | | | | | | | Container/Comments | | |
| HA4-9' | E OF UST | 7/14 | 9:05 | 1681-011 | S | X | X | X | | | | | | 1 | |
| HA4-12' | E OF UST | 7/14 | 9:10 | 1681-012 | S | X | X | X | | | | | | 1 | |
| | | | | | | | | | | | | | | | |
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| ① Relinquished by (signature) | | Date | | ② Received by (signature) | | Date | | Total Number of Containers | | | | | | | |
| Company | | Time | | Company | | Time | | Additional Comments | | | | | | | |
| ③ Relinquished by (signature) | | Date | | ④ Received by Laboratory (signature) | | Date | | | | | | | | | |
| Company | | Time | | Company | | Time | | | | | | | | | |

Chain-Of-Custody Record

HELT 1618

Client Mame 12
 Project Name Douglas Aircraft
 Project Address Torrance
 Project Contact Scott Huttner

Date 7-14-94

Client Project #

Turn Around Requested:

- ☐ Immediate Attention
☐ Rush 24-48 Hours
☐ Rush 72-96 Hours
☒ Normal
☐ Mobile Lab

Analysis Requested

Project #

1681

Page 1 of 2

Lab Use Only

Sample Condition as Received:
 Chilled ☐ yes ☐ no
 Sealed ☐ yes ☐ no

| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) | Analysis Requested | Number of Containers | Container/Comments |
|-----------|-----------------|---------|------|--------------------------|---|--------------------|----------------------|--------------------|
| HA1-15 | | 7-14-94 | | 1 | S X | | | |
| HA2-5 | | | | 2 | S X | | | |
| HA2-10 | | | | 3 | S X | | | |
| HA2-15 | | | | 4 | S X | | | |
| HA3-5 | | | | 5 | S X | | | |
| HA3-10 | | | | 6 | S X | | | |
| HA3-15 | | | | 7 | S X | | | |
| HA4-15 | | | | 8 | S X | | | |
| HA1-9 | | | | 9 | S X | | | |
| HA1-12 | | | | 10 | S X | | | |

① Relinquished by (signature)

Date 7/15/94

② Received by (signature)

Date 7-15-94

Total Number of Containers

Company JEL/FEL

Time 13:30

Company FEL

Time 13:30

Additional Comments

③ Relinquished by (signature)

Date

④ Received by Laboratory (signature)

Date

Company

Time

Company

Time

Chain-Of-Custody Record

| | | | | | | | | | | | | | | | |
|---|-----------------|---|--------------------------------------|--------------------------|---|--------------------|--|--|--|--|--|--|--|----------------------------|--------------------|
| Client Maness | | Date 7-15-94 | | | | | | | | | Project # 1681 | | | | |
| Project Name Douglas Aircraft | | Client Project # 40443 | | | | | | | | | Page 2 of 2 | | | | |
| Project Address TORRANCE, CA | | Turn Around Requested: <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24-48 Hours <input type="checkbox"/> Rush 72-96 Hours <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Mobile Lab | | | | | | | | | Lab Use Only Sample Condition as Received: Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no | | | | |
| Project Contact Scott Hultner | | | | | | | | | | | | | | | |
| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) | Analysis Requested | | | | | | | | Number of Containers | Container/Comments |
| HA4-9 | | 7-14-94 | 9:05 | 11 | S X | | | | | | | | | | |
| HA4-12 | | 7-14-94 | 9:10 | 12 | S X | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| ① Relinquished by (signature) | | Date 7/15/94 | ② Received by (signature) | | Date 7/15/94 | | | | | | | | | Total Number of Containers | |
| Company JRL/FEL | | Time 13:30 | Company FEL | | Time 1330 | | | | | | | | | Additional Comments | |
| ③ Relinquished by (signature) | | Date | ④ Received by Laboratory (signature) | | Date | | | | | | | | | | |
| Company | | Time | Company | | Time | | | | | | | | | | |

Chain-Of-Custody Record

| | | | | | | | | | | | | | | | |
|---|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| Client MANESS | | Date 7/20/94 | | Analysis Requested Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) 418.1 8015 D 8020 | | | | | | | | | | JEL Project # 1687 | |
| Project Name Douglas Aircraft | | Client Project # 40443 | | | | | | | | | | | | Page 1 of 2 | |
| Project Address Torrance | | Turn Around Requested: <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24-48 Hours <input type="checkbox"/> Rush 72-96 Hours <input type="checkbox"/> Normal <input type="checkbox"/> Mobile Lab | | | | | | | | | | | | Lab Use Only Sample Condition as Received: Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Project Contact Scott Hultner | | | | | | | | | | | | | | | |

| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) | | | | | | | | | | Number of Containers | Container/Comments |
|-----------|-----------------|---------|-------|--------------------------|---|---|---|---|--|--|--|--|--|--|----------------------|--------------------|
| SP12 | Composite | 7/20/94 | 10:05 | 1687-001 | S | X | X | | | | | | | | 1 | |
| SP13 | " " | | 10:15 | 1687-002 | | X | X | X | | | | | | | 1 | |
| SP14 | " " | | 10:23 | 1687-003 | | X | X | X | | | | | | | 1 | |
| SP15 | " " | | 10:30 | 1687-004 | | X | X | X | | | | | | | 1 | |
| SP16 | " " | | 10:45 | 1687-005 | | X | X | X | | | | | | | 1 | |
| SP17 | " " | | 10:55 | 1687-006 | | X | X | X | | | | | | | 1 | |
| SP18 | " " | | 11:10 | 1687-007 | | X | X | X | | | | | | | 1 | |
| SP19 | " " | | 11:15 | 1687-008 | | X | X | X | | | | | | | 1 | |
| SP20 | " " | | 11:20 | 1687-009 | | X | X | | | | | | | | 1 | |
| SP21 | " " | | 12:05 | 1687-010 | | X | X | X | | | | | | | 1 | |

| | | | | | | |
|---|--|------------------------|---|--|---------------------------|--|
| ① Relinquished by (signature) [Signature] | | Date 7-20-94 | ② Received by (signature) [Signature] | | Date 7/20/94 10 | Total Number of Containers 10 |
| Company Maness | | Time 2:35 | Company JONES | | Time 2:35 | Additional Comments * see back page IF ABOVE 100 ppm FOR 8015D → ANALYZE |
| ③ Relinquished by (signature) | | Date | ④ Received by Laboratory (signature) | | Date | |
| Company | | Time | Company | | Time | |

Chain-Of-Custody Record

| | | | | | |
|---|--|--|--|--|--|
| Client maness | | Date 7/20/94 | | JEL Project # 1687 | |
| Project Name DOUGLAS AIRCRAFT | | Client Project # 40443 | | Page 2 of 2 | |
| Project Address Torrance | | Turn Around Requested: <input type="checkbox"/> Immediate Attention <input type="checkbox"/> Rush 24-48 Hours <input type="checkbox"/> Rush 72-96 Hours <input type="checkbox"/> Normal <input type="checkbox"/> Mobile Lab | | Analysis Requested Sample Matrix: Soil (S), Sludge (SL), Aqueous (A) 418.1 8015A 8020 7420 | |
| Project Contact Scott Hultner | | | | Lab Use Only Sample Condition as Received: Chilled <input type="checkbox"/> yes <input type="checkbox"/> no Sealed <input type="checkbox"/> yes <input type="checkbox"/> no | |

| Sample ID | Sample Location | Date | Time | Laboratory Sample Number | Number of Containers | Container/Comments |
|-----------|-----------------|---------|-------|--------------------------|----------------------|--------------------|
| SP22 | composite | 7/20/94 | 12:15 | S | X X X | |
| SP23 | " " | | 12:20 | | X X X | |
| SP24 | " " | | 12:40 | | X X | |
| SP25 | " " | | 1:35 | | X | |
| SP26 | " " | | 1:40 | | X X | |
| HA4-20 | | | 1:25 | | X X X | |
| HA1-20 | | | 1:20 | | X X X | |
| | | | | | | |
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| | | | | | | |
|---|--|------------------------|---|--|------------------------|--|
| ① Relinquished by (signature) [Signature] | | Date 7-20-94 | ② Received by (signature) [Signature] | | Date 7/20/94 | Total Number of Containers 7 |
| Company maness | | Time 2:35 | Company JOE | | Time 2:35 | Additional Comments * Be sure to mix composites.. !! |
| ③ Relinquished by (signature) | | Date | ④ Received by Laboratory (signature) | | Date | |
| Company | | Time | Company | | Time | |

Chain-Of-Custody Record

[illegible]

Chain-Of-Custody Record

Client **Maness**

Project Name **DOUGLAS**

Project Address **AIR CRAFT**

Project Contact **Tortorello**

Scott Hultner

Date 7/21/94

Client Project # 4104143

Turn Around Requested:

- ☐ Immediate Attention
☐ Rush 24-48 Hours
☐ Rush 72-96 Hours
☐ Normal
☐ Mobile Lab

Analysis Requested

/ | TTL Project #

1687

Page 1 of 1

Lab Use Only

**Sample Condition
as Received:**

Chilled ☐ yes ☐ noSealed ☐ yes ☐ no[illegible]

① Relinquished by (signature)

Date _____

② Received by (signature)

Date _____

Total Number of Containers

Company

Time

Company

Time

Additional Comments

③ Relinquished by (signature)

Date _____

Received by Laboratory (signature)

| Date

Company

Time

Company

| Time

APPENDIX H

CERTIFIED COMPACTION REPORT

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS
10641 HUMBOLT STREET LOS ALAMITOS, CA 90720
(310) 799-9469 FAX (310) 799-9459

August 11 , 1994

Project Number 4896-94

Maness Environmental Services
1101 E. Spring Street
Long Beach, California 90807-0917

Re: **Observation and Testing of Backfill Operations** - Tank Excavation
Backfills for McDonnell Douglas Facility - Building No. 1 - Located at 19503
South Normandie Avenue, in the City of Los Angeles, California

Dear Sirs:

Pursuant to your request, this firm has observed and tested backfill operations at the above referenced location. Results of compaction tests are attached and locations of these tests are shown on the accompanying plot plan. The excavation backfill meet secondary fill requirements for the support of floor slabs or pavement. All work was performed in accordance with all present day standards of the Soils Engineering Industry.

All demolition debris was removed from the fill area prior to the placement of any fill soils. The existing low density soils were removed to competent native soils, the exposed surface scarified, moisture conditioned and then recompactd to a minimum of 95% relative compaction. The bottom of the excavation was approved by this firm prior to placing backfill. The bottom of the excavations were about 15 and 20 feet below ground surface and backfilled with 8 to 10 feet of pea gravel. The fill soils and pea gravel were compacted to a minimum of 95% of the laboratory standard.

The relative compaction for the upper 8 feet of the fill soils was determined by Sand Cone Method (ASTM:D 1556-82) and by the Drive Tube Method (ASTM: D-2937). Relatively undisturbed samples of the pea gravel were obtained with a split spoon sampler with a rock catcher. The maximum density of the fill soils was obtained by the laboratory standard (ASTM:D 1557-78) and results are shown on Table I. Tests were performed a minimum of every 500 cubic yards placed and every 2 feet in depth of fill placed. A backhoe mounted vibratory plate was utilized for compaction control. A water hose provided moisture control. No chemical analysis was performed by NorCal Engineering on the tank excavation nor the backfill soils.

We appreciate this opportunity to be of service to you. If you have any further questions, please do not hesitate to contact the undersigned.

Respectfully submitted,
NORCAL ENGINEERING

Keith D. Tucker

Keith D. Tucker
Project Engineer
R.G.E. 841



Troy D. Norrell

Troy D. Norrell
President

NorCal Engineering

TABLE I
MAXIMUM DENSITY TESTS
(ASTM:D 1557-78)

| <u>Soil Type</u> | <u>Classification</u> | <u>Optimum Moisture</u> | <u>Maximum Dry Density (lbs./cu.ft.)</u> |
|------------------|--|-----------------------------|--|
| I | SAND, fine grained, silty | 12.0 | 118.0 |
| II | Pea gravel | 6.5 | 128.0 |
| III | SAND, fine to coarse grained, slight silt content, slight clay content | 9.5 | 126.0 |
| IV | SAND, fine grained, silty | 12.0 | 119.0 |
| V | SAND, fine to coarse grained, slight clay content, gravelly pea gravel | 10.0 | 123.0 |

TABLE II
COMPACTION TESTS RESULTS

| <u>Date of Test</u> | <u>Test No.</u> | <u>Depth *</u> | <u>Percent Moisture</u> | <u>Unit Wt. lbs./cu.ft.</u> | <u>Relative Compaction</u> | <u>Soil Type</u> |
|----------------------------|-----------------|----------------|-------------------------|-----------------------------|----------------------------|------------------|
| <u>Excavation 1</u> | | | | | | |
| 7/19/94 | 101 | 15.0-15.5 | 13.1 | 112.3 | 95 | I |
| 7/19/94 | 102 | 13.0-13.5 | 5.5 | 106.2 | 97 | II |
| 7/19/94 | 103 | 11.0-11.5 | 4.8 | 104.0 | 95 | II |
| 7/19/94 | 104 | 9.0-9.5 | 4.7 | 106.8 | 97 | II |
| 7/20/94 | 105 | 7.0-7.5 | 10.7 | 120.1 | 95 | III |
| 7/20/94 | 106 | 6.0-6.5 | 10.3 | 113.3 | 96 | IV |
| 7/20/94 | 107 | 4.0-4.5 | 10.9 | 100.9 | 84 | IV |
| 7/20/94 | 107A** | 4.0-4.5 | 12.3 | 115.2 | 95 | IV |
| 7/22/94 | 108 | 3.0-3.5 | 8.5 | 117.2 | 95 | V |
| 7/22/94 | 109 | 2.0-2.5 | 10.3 | 115.1 | 96 | IV |
| 7/22/94 | 110 | 0.0-0.5 | 11.8 | 113.6 | 95 | IV |
| <u>Excavation 2</u> | | | | | | |
| 7/22/94 | 111 | 20.0-20.5 | 13.7 | 112.3 | 95 | I |
| 7/22/94 | 112 | 18.0-18.5 | 5.2 | 122.8 | 96 | II |
| 7/22/94 | 113 | 16.0-16.5 | 5.4 | 121.7 | 95 | II |
| 7/22/94 | 114 | 14.0-14.5 | 4.9 | 124.0 | 97 | II |
| 7/22/94 | 115 | 12.0-12.5 | 4.8 | 123.2 | 96 | II |
| 7/22/94 | 116 | 10.0-10.5 | 5.4 | 104.9 | 96 | II |
| 7/22/94 | 117 | 8.0-8.5 | 5.4 | 103.8 | 95 | II |
| 7/22/94 | 118 | 6.0-6.5 | 5.0 | 106.2 | 97 | II |

* Depth below finish grade (in feet)

** Retest of failing tests after area reworked

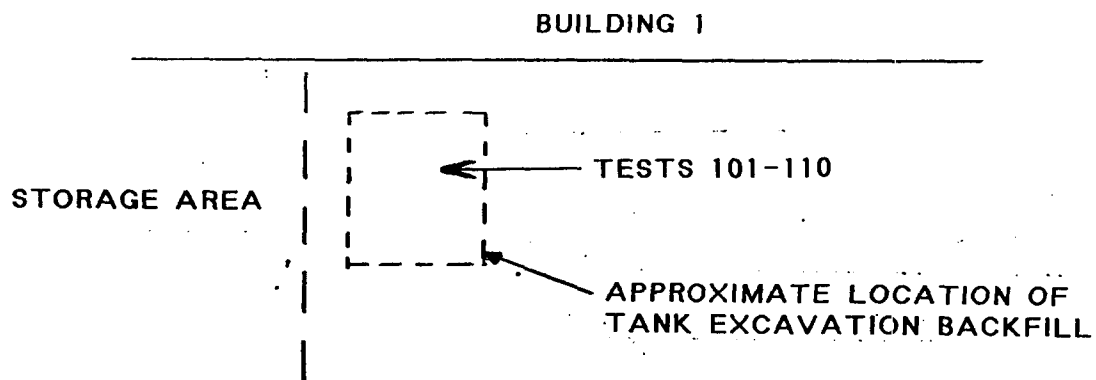
NorCal Engineering

TABLE II
COMPACTION TESTS RESULTS

| <u>Date of</u> <u>Test</u> | <u>Test</u> <u>No.</u> | <u>Depth *</u> | <u>Percent</u> <u>Moisture</u> | <u>Unit Wt.</u> <u>lbs./cu.ft.</u> | <u>Relative</u> <u>Compaction</u> | <u>Soil</u> <u>Type</u> |
|-------------------------------|---------------------------|----------------|-----------------------------------|---------------------------------------|--------------------------------------|----------------------------|
| <u>Excavation 2</u> | | | | | | |
| 7/22/94 | 119 | 5.0-5.5 | 5.3 | 105.3 | 96 | II |
| 7/28/94 | 120 | 6.0-6.5 | 9.4 | 120.1 | 95 | III |
| 7/28/94 | 121 | 4.0-4.5 | 9.7 | 121.7 | 95 | II |
| 7/28/94 | 122 | 2.0-2.5 | 10.1 | 121.9 | 95 | II |
| 7/28/94 | 123 | 1.0-1.5 | 10.4 | 122.1 | 95 | II |
| 8/3/94 | 124 | 0.0-0.5 | 8.7 | 121.8 | 95 | II |

* Depth below finish grade (in feet)

** Retest of failing tests after area reworked



DOUGLAS AIRCRAFT FACILITY

NOT TO SCALE

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

MANESS ENVIRONMENTAL SERVICES

PROJECT 4898-94

DATE JULY, 1994

SITE PLAN
EXCAVATION 1

BUILDING 1

BUILDING 40

← TESTS 111-124

← APPROXIMATE LOCATION OF
TANK EXCAVATION BACKFILL

DOUGLAS AIRCRAFT FACILITY

1 INCH = 20 FEET

NorCal Engineering
SOILS AND GEOTECHNICAL CONSULTANTS

MANESS ENVIRONMENTAL SERVICES

PROJECT 4896-94

DATE JULY 1994

SITE PLAN
EXCAVATION 2

**CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
ENGINEER'S CERTIFICATE OF COMPLIANCE FOR COMPACTED EARTH FILLS**

JOB ADDRESS: 19503 South Normandie Avenue, Los Angeles

SOIL TESTING AGENCY: NorCal Engineering

PROPERTY OWNER'S NAME: McDonnell Douglas Corporation

OWNER'S ADDRESS: 19503 South Normandie Avenue
Los Angeles, California

PER REPORTS ON OUR PROJECT NUMBER: 4896-94

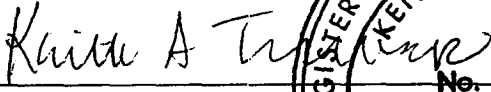
DATE WORK STARTED ON PROJECT: 7/19/94

DATE FILL WAS COMPLETED: 8/3/94

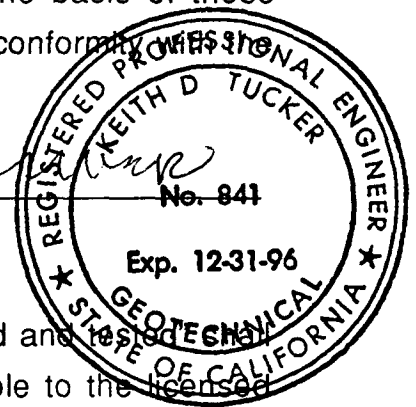
DATE OF THIS CERTIFICATE: 8/11/94

TO THE SUPERINTENDENT OF BUILDING:

I hereby certify that I have personally inspected and tested the placing of compacted earth fill on the above described property, and on the basis of these inspections and tests it is my opinion that the same was placed in conformity with the requirements of the Los Angeles City Building Code.



Keith D. Tucker
R.G.E. 841



* For the purpose of this certificate, to have "personally inspected and tested" shall include inspection and testing performed by any person responsible to the licensed engineer signing this certificate. Where the inspection and testing of all or part of the work above is delegated, full responsibility shall be assumed by the licensed engineer whose signature is affixed thereon.

APPENDIX I

NON - HAZARDOUS WASTE DATA FORMS

Customer

REPORT OF

Page 1

Customer Name: : DOUGLAS AIRCRAFT

07-01-94

08-04-94

DATE : 08-04-94

Reporting FROM : 00:00 TO : 23:59

TIME : 10:19:32

| In | Manifest No.: | Load No.: | Transporter: | Driver's Name: | Net Tons | : |
|-------|---------------|-----------|------------------|-----------------|----------|---|
| 17-94 | 03-03158 | 001 | CHARLES WILLSON | CHARLES WILLSON | 23.94 | |
| 17-94 | 03-03158 | 003 | HULLINGER | HAL HULLINGER | 23.14 | |
| 17-94 | 03-03158 | 002 | MIKE & SON | MIGUEL GUERRERO | 23.30 | |
| 17-94 | 03-03158 | 004 | CROOKS | KENNETH PRATTE | 24.76 | |
| 17-94 | 03-03158 | 005 | JW TRUCKING | ROY NICKELL | 25.23 | |
| 17-94 | 03-03158 | 006 | BVC | DWAYNE SARGENT | 23.55 | |
| 17-94 | 03-03158 | 007 | MANESS | GREG MARISCAL | 20.51 | |
| 17-94 | 03-03158 | 010 | MIKE & SONS | MIGUEL GUERRERO | 25.83 | |
| 17-94 | 03-03158 | 009 | JW TRUCKING | ROY NICKELL | 26.16 | |
| 17-94 | 03-03158 | 008 | MANESS | ESTEL MCMASTER | 21.50 | |
| 17-94 | 03-03158 | 011 | CHARLES WILLSON | CHARLES WILLSON | 24.85 | |
| 17-94 | 03-03158 | 012 | HULLINGER | HAL HULLINGER | 23.90 | |
| 17-94 | 03-03158 | 013 | CROOKS | KENNETH PRATTE | 23.56 | |
| 17-94 | 03-03158 | 014 | BVC | DWAYNE SARGENT | 24.55 | |
| 17-94 | 03-03158 | 015 | MANESS | GREG MARISCAL | 20.69 | |
| 18-94 | 03-03158 | 019 | CROOKS | KENNETH PRATTE | 25.50 | |
| 18-94 | 03-03158 | 017 | MIKE & SONS | MIGUEL GUERRERO | 23.97 | |
| 18-94 | 03-03158 | 018 | HULLINGER | HAL HULLINGER | 22.59 | |
| 18-94 | 03-03158 | 016 | CHARLES WILLSON | CHARLES WILLSON | 24.41 | |
| 18-94 | 03-03158 | 20 | MORALES TRUCKING | GABRIEL DROZCO | 24.76 | |
| 18-94 | 03-03158 | 021 | CHARLES WILLSON | CHARLES WILLSON | 24.46 | |
| 18-94 | 03-03158 | 022 | HAL HULLINGER | HAL HULLINGER | 16.24 | |
| 18-94 | 03-03158 | 023 | MIKE & SONS | MIGUEL GUERRERO | 25.09 | |

ALS :

542.49

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment: **7-27-94** Transporter Track #: **1** Load #: **3158** **101**

Generator's Name and Billing Address:
DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Generation site: Transport from: (name & address)

Designated Facility (Transport to): (name & address)
TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Customer Account Number with TPS:
Consultant's Phone #: **(310) 595-4555**
Person to Contact: **Richard Okuda**
FAX#: **() -**
Customer Account Number with TPS:
Site Phone #: **() -**
Person to Contact:
FAX#: **() -**
BETA Levels
TPH Levels
AVG. Levels
Facility Phone #: **(800) 862-8001**
Person to Contact: **Darren Bartlett**
FAX#: **(619) 246-8004**
Facility Permit Numbers
Transporter's Phone #: **(310) 595-4555**
Person to Contact: **Richard Okuda**
FAX#: **() -**
Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by: | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|---|-----------------|-------------------------|--------------|--------------|--------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | 2010 224 | | 78600 | 30740 | 47860 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 23.7 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: **Robert G. Tuell, Jr.** Generator ☒ Consultant ☐ Signature and date: **Robert G. Tuell, Jr.** Month **07** Day **27** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Charles Wilson** Signature and date: **Charles Wilson** Month **7** Day **27** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Nancy Gerner 7-27-94**

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest # 1

Date of Shipment: 07 27 94
Transporter Truck #: 11
Site Phone #: 3158
Load #: 102

Generator's Name and Billing Address:
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE
DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Facility Phone #: 3158
Person to Contact: Richard Okuda
FAX#: -
Customer Account Number with TPS:

Generation Site (Transport from) Name and Address:

Site Phone #: -
Person to Contact: -
FAX#: -
BETA Levels
TTH Levels
AVG. Levels

Designated Facility (Transport to): (name & address)
TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Facility Phone #: (800) 862-8001
Person to Contact: Darren Bartlett
FAX#: (619) 246-8004
Facility Permit Numbers

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #: (310) 595-4555
Person to Contact: Richard Okuda
FAX#: -
Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|-------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 76560 | 70360 | 4660 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 2330 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☒ Consultant ☐
Robert G. Tuell, Jr.
Signature and date: Robert G. Tuell, Jr. 07 27 94

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Miguel Guerrero
Signature and date: Miguel Guerrero 07 27 94

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: James Clement 1-27-94

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest

| | | | |
|-------------------|----------------------|-------------|---------|
| Date of Shipment: | Transporter Truck #: | Facility #: | Load #: |
| | 03 | 31588 | 103 |

| | |
|--|-----------------------------------|
| Generator Name and Billing Address: | Customer Account Number with TPS: |
| DOUGLAS AIR CRAFT COMPANY DEPARTMENT C1-710, MC 127-10 3855 LAKEWOOD BLVD. LONG BEACH, CA, 90846 SITE ADDRESS: 19503 S. NORMANDIE TORRANCE | |

| | | |
|--|---------------------------------|-----------------------------------|
| Generator Name and Billing Address: | Contact Phone: | Customer Account Number with TPS: |
| Manes Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | (310) 595-4555 Richard Okuda | |
| | FAX#: | Customer Account Number with TPS: |

| | | |
|-----------------------------------|--------------------|--------------|
| Generation Site - Transport from: | Site Phone #: | BETN Levels: |
| HOT | | |
| | Person to Contact: | TPH Levels: |
| | () | |
| | FAX#: | AVG. Levels: |

| | | |
|--|----------------------------------|--------------------------|
| Designated Facility Name and Billing Address: | Facility Phone #: | Facility Permit Numbers: |
| TPS Technologies Inc. 12328 Hibiscus Avenue Adelanto, California 92301 | (800) 862-8001 Damen Bartlett | |
| | (619) 246-8004 | |
| | FAX#: | |

| | | |
|--|---------------------------------|-----------------------------------|
| Transporter Name and Billing Address: | Transporter Phone #: | Transporter's US EPA ID No.: |
| Manes Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | (310) 595-4555 Richard Okuda | |
| | Person to Contact: | Transporter's DOT No.: |
| | () | |
| | FAX#: | Customer Account Number with TPS: |

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 78080 | 31800 | 46280 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | (23.14) |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

| | | | | | |
|----------------------|---|----------------------|-------|-----|------|
| Print or Type Name: | Generator <input checked="" type="checkbox"/> Consultant <input type="checkbox"/> | Signature and date: | Month | Day | Year |
| Robert G. Tuell, Jr. | | Robert G. Tuell, Jr. | 07 | 27 | 94 |

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

| | | | | |
|---------------------|---------------------|-------|-----|------|
| Print or Type Name: | Signature and date: | Month | Day | Year |
| HAL HULLINGER | | 07 | 27 | 94 |

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

| | |
|---------------------|-----------------------|
| Print or Type Name: | Signature and date: |
| | Lance Clement 7-27-94 |

Generator and/or Consultant

Transporter

Recycling Facility

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

| | | | | | |
|--|--|--|---|--|--|
| Date of Shipment: | | Transporter Truck # | | Load # | |
| | | 03 | | 3158 | |
| Generator's Name and Billing Address: DOUGLAS AIR CRAFT COMPANY DEPARTMENT C1-710, MC 127-10 3855 LAKEWOOD BLVD. LONG BEACH, CA. 90846 SITE ADDRESS: 19503 S. NORMANDIE TORRANCE | | | | | |
| Consultant's Name and Billing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | | | Consultant's Phone #: (310) 595-4555 | | Customer Account Number with TPS: |
| Generation Site (Transport from): (name & address) | | | Site Phone #: Person to Contact: | | BETY Levels TPH Levels AVG. Levels |
| Designated Facility (Transport to): (name & address) TPS Technologies Inc. 12328 Hibiscus Avenue Adelanto, California 92301 | | | Facility Phone #: (800) 862-8001 | | Facility Permit Numbers |
| Transporter Name and Mailing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | | | Transporter's Phone #: (310) 595-4555 | | Transporter's US EPA ID No.: |
| | | | Person to Contact: Richard Okuda | | Transporter's DOT No.: |
| | | | FAX #: Customer Account Number with TPS: | | |
| Description of Soil | | Moisture Content | Contaminated by | Approx. Qty | Description of Delivery |
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 014 22 t | Gross Weight: 78640 Tare Weight: 29120 Net Weight: 49520 | |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | 29.76 |
| List any exception to items listed above: | | | | | |
| Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way. | | | | | |
| Print or Type Name: | | Generator <input checked="" type="checkbox"/> Consultant <input type="checkbox"/> | Signature and date: | | Month Day Year |
| Robert G. Tuell, Jr. | | | Robert G. Tuell, Jr. | | 07 27 94 |
| Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site. | | | | | |
| Print or Type Name: | | Signature and date: | | Month Day Year | |
| Kenneth Prater | | [Signature] | | 7 27 94 | |
| Discrepancies: | | | | | |
| Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above: | | | | | |
| Print or Type Name: | | Signature and date: | | | |
| | | Sandy Clemens 7-27-94 | | | |

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment: 07-27-94
Transporter Truck #: 03
Load #: 05

Generator Name and Billing Address:
DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Consultant's Phone #:
(310) 595-4555

Person to Contact:
Richard Okuda

FAX #:) -

Customer Account Number with TPS:

Generation Site (Transport from): (name & address)

Site Phone #: () -

BETA Levels

Person to Contact:

TPH Levels

FAX #:) -

AVG. Levels

Designated Facility (Transport to): (name & address)

TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Facility Phone #:
(800) 862-8001

Facility Permit Numbers

Person to Contact:
Darren Bartlett

FAX (619) 246-8004

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #:
(310) 595-4555

Transporter's US EPA ID No.:

Person to Contact:
Richard Okuda

Transporter's DOT No.:

FAX #:) -

Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by: | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|---|--------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> OK Other <input checked="" type="checkbox"/> | 22t | | 81080 | 30820 | 5046 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 25.2 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ^A Consultant ☐
Robert G. Tuell, Jr. Robert G. Tuell, Jr. Month Day Year 07 27 94

Signature and date:

Month Day Year 07 27 94

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Roy Nickell Signature and date: Roy Nickell Month Day Year 7 27 94

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: Sand, Clement 7-27-94

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment: **07-27-94** Transporter Truck #: **03** City of TPS: **3158** Load #: **06**

Generator's Name and Billing Address: **DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE**

Generator's Phone #: **310-533-7926**

Customer Account Number with TPS: **-**

Consultant's Name and Billing Address: **Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Consultant's Phone #: **(310) 595-4555**

Person to Contact: **Richard Okuda**

Customer Account Number with TPS: **-**

Generation Site (Transport from): (name & address): **-**

Site Phone #: **-**

Person to Contact: **-**

FAK#: **-**

BETX Levels: **-**

TPH Levels: **-**

AVG. Levels: **-**

Designated Facility (Transport to): (name & address): **TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301**

Facility Phone #: **(800) 862-8001**

Person to Contact: **Darren Bartlett**

Facility Permit Numbers: **(619) 246-8004**

Transporter Name and Mailing Address: **Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Transporter's Phone #: **(310) 595-4555**

Person to Contact: **Richard Okuda**

Transporter's US EPA ID No.: **-**

Transporter's DOT No.: **-**

Customer Account Number with TPS: **-**

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|--------------|----------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> ok Other <input checked="" type="checkbox"/> | 22t | | 78020 | 30920 | 47100 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | (23.55) |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: **Robert G. Tuell, Jr.** Generator ☒ Consultant ☐ Signature and date: **Robert G. Tuell, Jr.** Month **07** Day **27** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Dwight Sargent** Signature and date: **Dwight Sargent** Month **7** Day **27** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: **Lance Clements** Signature and date: **Lance Clements** Month **7** Day **27** Year **94**

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment: **07 27 94** Transporter Truck #: **2403-2404** Facility #: **03** TPS #: **3158** Load #: **07**

Generator's Name and Mailing Address:
**DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
8855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE**

Generator's Phone #: **(310) 533-7926**
Customer Account Number with TPS:

Consultant's Name and Billing Address:
**Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Consultant's Phone #: **(310) 595-4555**
Person to Contact: **Richard Okuda**
FAX #: **() -**
Customer Account Number with TPS:

Generation Site (Transport from name & address):
Site Phone #: **() -**
Person to Contact:
FAX #: **() -**
BETA Levels
TPH Levels
AVG. Levels

Designated Facility (Transport to): (name & address)
**TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301**

Facility Phone #: **(800) 862-8001**
Person to Contact: **Darren Bartlett**
FAX #: **(619) 246-8004**
Facility Permit Numbers

Transporter Name and Mailing Address:
**Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Transporter's Phone #: **(310) 595-4555**
Person to Contact: **Richard Okuda**
FAX #: **() -**
Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by: | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|--------------|--------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 78220 | 37200 | 41020 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 20 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☒ Consultant ☐ Signature and date: **Robert G. Tuell, Jr.** Month: **07** Day: **27** Year: **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Greg Mariscal** Signature and date: **Greg Monaca** Month: **07** Day: **27** Year: **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Lance Clement 7-27-94**

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment: **07-27-94** Transporter Truck #: **2401-2402** Facility #: **03** Load #: **1008**

DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Generator's Phone #: **(310) 533-7926**

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Consultant's Phone #: **(310) 595-4555**

Person to Contact: **Richard Okuda**

FAX #: **() -**

Customer Account Number with TPS:

Generation Site (Transport from) name & address:

Site Phone #: **() -**

BETX Levels

Person to Contact:

TPH Levels

FAX #: **() -**

AVG. Levels

Designated Facility (Transport to) name & address:

TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Facility Phone #: **(800) 862-8001**

Facility Permit Numbers

Person to Contact: **Darren Bartlett**

FAX: **(619) 246-8004**

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #: **(310) 595-4555**

Transporter's US EPA ID No.:

Person to Contact: **Richard Okuda**

Transporter's DOT No.:

FAX #: **() -**

Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 79120 | 36120 | 43000 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 21.50 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☒ Consultant ☐
Robert G. Tupell, Jr. Signature and date: **Robert G. Tupell, Jr.** Month **07** Day **27** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **ESTEL McMASTER** Signature and date: **E. McMaster** Month **07** Day **27** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Lance Clement 7-27-94**

TPS Technologies Soil Recycling

Non-Hazardous Soils

Manifest

Manifest #

Date of Shipment: **07-27-94** Residue # Transporter Truck # **86** Tiller # **03** TSP # **3158** Load # **1009**

Generator's Name and Billing Address:
DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Generator's Phone # **310 532-7926**

Customer Account Number with TPS: () -

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Consultant's Phone #: **(310) 595-4555**

Person to Contact: **Richard Okuda**

FAX #: () -

Customer Account Number with TPS:

Generation Site (Transport to) (name & address):

Site Phone #: () -

Person to Contact:

FAX #: () -

BETA Levels

TPE Levels

AVG. Levels

Designated Facility (Transport to) (name & address):
TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Facility Phone #: **(800) 862-8001**

Person to Contact: **Darren Bartlett**

FAX #: **(619) 246-8004**

Facility Permit Numbers

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #: **(310) 595-4555**

Person to Contact: **Richard Okuda**

FAX #: () -

Transporter's US EPA ID No.:

Transporter's DOT No.:

Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|--------------|---------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 82800 | 30450 | 52350 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | (26.1) |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator **Robert G. Tuell, Jr.** Consultant ☐ Signature and date: **Robert G. Tuell, Jr.** Month **07** Day **27** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Robert Nickell** Signature and date: **Robert Nickell** Month **07** Day **27** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Sandy Clement 7-27-94**

Generator and/or Consultant

Transporter

Recycling Facility

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest

Manifest # 1

| | | | | |
|--------------------------------------|---------------------------------|-----------------------------------|------------------------|------------------------|
| Date of Shipment: 07-27-94 | Responsible Party: 11 | Transporter Truck #: 03 | Load #: 1158 | Load #: 1010 |
|--------------------------------------|---------------------------------|-----------------------------------|------------------------|------------------------|

| | | |
|--|---|--|
| Generator's Name and Billing Address: DOUGLAS AIR CRAFT COMPANY DEPARTMENT C1-710, MC 127-10 3855 LAKEWOOD BLVD. LONG BEACH, CA. 90846 SITE ADDRESS: 19503 S. NORMANDIE TORRANCE | Generator's Phone #: (310) 533-7926 | Generator's Account Number with TPS: - |
|--|---|--|

| | | |
|--|--|---|
| Consultant's Name and Billing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | Consultant's Phone #: (310) 595-4555 | Consultant's Account Number with TPS: - |
| Person to Contact: Richard Okuda | FAX #: - | |

| | | |
|--|---------------------------|--------------------------|
| Generation Site (Transport from) (name & address): - | Site Phone #: - | BETV Levels: - |
| Person to Contact: - | EPH Levels: - | |
| FAX #: - | AVG. Levels: - | |

| | | |
|---|--|--------------------------------------|
| Designated Facility (Transport to) (name & address): TPS Technologies Inc. 12328 Hibiscus Avenue Adelanto, California 92301 | Facility Phone #: (800) 862-8001 | Facility Permit Numbers: - |
| Person to Contact: Darren Bartlett | FAX #: (619) 246-8004 | |

| | | |
|---|---|--|
| Transporter Name and Mailing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | Transporter's Phone #: (310) 595-4555 | Transporter's US EPA ID No.: - |
| Person to Contact: Richard Okuda | Transporter's DOT No.: - | |
| FAX #: - | Customer Account Number with TPS: - | |

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|--------------|--------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 81740 | 30050 | 51690 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 25.8 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

| | | | | | |
|--|---|--|---------------------|-------------------|--------------------|
| Print or Type Name: Robert G. Tuell, Jr. | Generator <input checked="" type="checkbox"/> Consultant <input type="checkbox"/> | Signature and date: Robert G. Tuell, Jr. | Month: 07 | Day: 27 | Year: 94 |
|--|---|--|---------------------|-------------------|--------------------|

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

| | | | | |
|---|---|---------------------|-------------------|--------------------|
| Print or Type Name: Miguel Guerrero | Signature and date: Miguel Guerrero | Month: 07 | Day: 27 | Year: 94 |
|---|---|---------------------|-------------------|--------------------|

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

| | |
|---|---|
| Print or Type Name: Sandy Clement | Signature and date: Sandy Clement 7-27-94 |
|---|---|

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

| | | | | | |
|--|--|----------------------------------|--|---|--|
| Date of Shipment: 07-27-94 | | Transporter Truck #: 1 | | Load #: 1011 | |
| Generator's Name and Billing Address: DOUGLAS AIR CRAFT COMPANY DEPARTMENT C1-710, MC 127-10 3855 LAKEWOOD BLVD. LONG BEACH, CA. 90846 SITE ADDRESS: 19503 S. NORMANDIE TORRANCE | | | | Generator's Phone #: 310-533-7926 | |
| Consultant's Name and Billing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | | | | Consultant's Phone #: (310) 595-4555 | |
| Designated Facility (Transport to): (name & address) TPS Technologies Inc. 12328 Hibiscus Avenue Adelanto, California 92301 | | | | Facility Phone #: (800) 862-8001 | |
| Transporter Name and Mailing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | | | | Transporter's Phone #: (310) 595-4555 | |
| Generation Site (Transport from): (name & address) | | | | Site Phone #: () - | |
| Person to Contact: Richard Okuda | | | | Person to Contact: Richard Okuda | |
| FAX #: () - | | | | FAX #: () - | |
| Customer Account Number with TPS: | | | | Customer Account Number with TPS: | |
| BETX Levels | | | | BETX Levels | |
| TPH Levels | | | | TPH Levels | |
| AVG. Levels | | | | AVG. Levels | |
| Facility Permit Numbers | | | | Facility Permit Numbers | |
| Transporter's US EPA ID No.: | | | | Transporter's US EPA ID No.: | |
| Transporter's DOT No.: | | | | Transporter's DOT No.: | |
| Customer Account Number with TPS: | | | | Customer Account Number with TPS: | |

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|--------------|--------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 50180 | 30480 | 45700 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 84.8 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator **Robert G. Tuell, Jr.** Consultant ☐ Signature and date: **Robert G. Tuell, Jr.** Month **07** Day **27** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Charles Wilkerson** Signature and date: **Charles Wilkerson** Month **07** Day **27** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Linda Clemens 7-27-94**

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment:

07 27 94

Transporter Truck #

03

3158

Load #

1012

DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Generator's Phone #
(310) 533-7926

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Consultant's Phone #
(310) 595-4555

Person to Contact:
Richard Okuda

FAX#) -

Generation Site (Transport from: name & address)

Site Phone #) -

BETX
Levels

Person to Contact:

TPH
Levels

FAX#) -

AVG.
Levels

Designated Facility (Transport to: name & address)
TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Facility Phone #:
(800) 862-8001

Facility Permit Numbers

Person to Contact:
Darren Bartlett

FAX# (619) 246-8004

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #:
(310) 595-4555

Transporter's US EPA ID No.:

Person to Contact:
Richard Okuda

Transporter's DOT No.:

FAX#) -

Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|-------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 80000 | 37200 | 47800 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | (23.7) |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name:

Generator

Consultant ☐

Signature and date:

Robert G. Tuell, Jr.

Robert G. Tuell, Jr. 07 27 94

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:

HAL HULLINGER

Signature and date:

Hal Hullinger 07 27 94

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:

Signature and date:

Janet Clement 7-27-94

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment: **07-27-94** Transporter Truck #: **03** Load #: **1013**

Generator's Name and Billing Address:
DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Consultant's Phone #: **(310) 595-4555**
Person to Contact: **Richard Okuda**
Customer Account Number with TPS:

Generation Site (Transport from): name & address:
F

Site Phone #: **() -**
Person to Contact:
FAX#: **() -**

BETA Levels
TPH Levels
AVG. Levels

Designated Facility (Transport to): name & address:
TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Facility Phone #: **(800) 862-8001**
Person to Contact: **Darren Bartlett**
FAX#: **(619) 246-8004**

Facility Permit Numbers

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #: **(310) 595-4555**
Person to Contact: **Richard Okuda**
FAX#: **() -**

Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 76140 | 29040 | 47120 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 2350 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☒ Consultant ☐
Robert G. Tuell, Jr. Signature and date: **Robert G. Tuell, Jr.** Month **07** Day **27** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Kenneth P. 477C** Signature and date: **Kenneth P. 477C** Month **07** Day **27** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Sandra Clements 7-21-94**

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

Date of Shipment:

07 27 94

Transporter Truck #

03

3158

Load #

1014

Generator's Name and Address:
DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Generator's Phone #:
(310) 533-7926

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Consultant's Phone #:
(310) 595-4555

Person to Contact:
Richard Okuda

Generation Site (Transporter's Name and Address):

Site Phone #:

Person to Contact:

FA#:

BETV Levels

TPH Levels

AVG. Levels

Designated Facility (Transporter's Name and Address):

TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Facility Phone #:

Person to Contact:

FA#:

Facility Permit Numbers

Transporter's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #:

Person to Contact:

FA#:

Transporter's US EPA ID No.:

Transporter's DOT No.:

Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 79720 | 30620 | 49100 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 29.5 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name:

Generator

Consultant

Signature and date:

Robert G. Tuell, Jr.

Robert G. Tuell, Jr.

Month Day Year

07 27 94

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:

Signature and date:

Dwayne Sargent

Dwayne Sargent

Month Day Year

07 27 94

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:

Signature and date:

Linda Clement

7-27-94

Manifest

TPS Technologies Soil Recycling

Non-Hazardous Soils

Manifest #

Date of Shipment:

07 27 94

Responsible Party:

Transporter Truck #:

7403 2404

Trailer #:

03

Client's TPS:

3158

Load #:

15

Generator Name and Billing Address:

DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846

SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Consultant's Name and Billing Address:

Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Consultant's Phone #:

(310) 595-4555

Person to Contact:

Richard Okuda

FAX #:

-

Customer Account Number with TPS:

Generation Site (Transport from name & address):

Site Phone #:

-

BETA

Levels

Person to Contact:

TPH

Levels

FAX #:

-

AVG.

Levels

Designated Facility (Transport to name & address):

TPS Technologies Inc.
12328 Hibiscus Avenue

Adelanto, California 92301

Facility Phone #:

(800) 862-8001

Facility Permit Numbers

Person to Contact:

Darren Bartlett

FAX #:

(619) 246-8004

Transporter Name and Billing Address:

Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #:

(310) 595-4555

Transporter's US EPA ID No.:

Person to Contact:

Richard Okuda

Transporter's DOT No.:

FAX #:

-

Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by: | Approx. Qty: | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 78440 | 37060 | 41380 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 20.6 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name:

Generator ☒

Consultant ☐

Signature and date:

Robert G. Tuel, Jr.

Robert G. Tuel, Jr.

Month

07

Day

27

Year

94

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:

Greg Mariscal

Signature and date:

Greg Mariscal

Month

07

Day

27

Year

94

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:

Signature and date:

Sandy Clement 7-27-94

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

1. Manifest #

Date of Shipment: **07-28-94** Transporter Truck #: **03** Given by TPS: **3158** Load #: **16**

Generator's Name and Billing Address:
DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Consultant's Phone #: **(310) 595-4555**
 Person to Contact: **Richard Okuda**
 FAX #: **() -**
 Customer Account Number with TPS:

Generation Site (Transport from name & address):
 Site Phone #: **() -**
 Person to Contact:
 FAX #: **() -**
 BETX Levels
 TPH Levels
 AVG. Levels

Designated Facility (Transport to: name & address):
TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301

Facility Phone #: **(800) 862-8001**
 Person to Contact: **Darren Bartlett**
 FAX: **(619) 246-8004**
 Facility Permit Numbers:

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807

Transporter's Phone #: **(310) 595-4555**
 Person to Contact: **Richard Okuda**
 FAX #: **() -**
 Transporter's US EPA ID No.:
 Transporter's DOT No.:
 Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22 t | | 79580 | 30760 | 488 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 24.4 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☒ Consultant ☐
Robert G. Tuell, Jr. Signature and date: **Robert G. Tuell, Jr.** Month **07** Day **28** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Charles W. Liska** Signature and date: **Charles W. Liska** Month **07** Day **28** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Sandra Clemens 7-28-94**

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest

Manifest #

Date of Shipment: **07-28-94** Receiver's Billing Information Transporter Truck #: **11** Facility #: **03** Shipped to: TPS Load #: **3158** 117

Generator's Name and Billing Address:
**DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE, TORRANCE, CA**

Consultant's Name and Billing Address:
**Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Consultant's Phone #: **(310) 595-4555**
Person to Contact: **Richard Okuda**
FAX#: **() -**

Customer Account Number with TPS: **() -**

Generation Site (Transportation name & address):

Site Phone #: **() -** BETN Levels
Person to Contact: TPH Levels
FAX#: **() -** AVG. Levels

Designated Facility (Transport to: name & address):
**TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301**

Facility Phone #: **(800) 862-8001** Facility Permit Numbers
Person to Contact: **Darren Bartlett**
FAX#: **(619) 246-8004**

Transporter Name and Mailing Address:
**Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Transporter's Phone #: **(310) 595-4555** Transporter's US EPA ID No.:
Person to Contact: **Richard Okuda** Transporter's DOT No.:
FAX#: **() -** Customer Account Number with TPS:

| Description of Soil | Moisture | Contaminants | Approx. Qty | Description of Delivery | Gross Weight | Tare | Net Weight |
|---|--|--|-------------|-------------------------|-------------------|------|---------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22+ | | 7830030420 | | 4780 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | (23.8) |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: **Robert G. Furell, Jr.** Generator ☒ Consultant ☐ Signature and date: **Robert G. Furell, Jr.** Month **07** Day **28** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Miguel Guerrero** Signature and date: **Miguel Guerrero** Month **07** Day **28** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Lance Clemens 7-28-94**

Generator and/or Consultant

Transporter

Recycling Facility

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest # 1

Date of Shipment: 07-28-94
 Transporter Truck #: 03
 Facility #: 3158
 Load #: 18

Generator's Name and Billing Address:
 DOUGLAS AIR CRAFT COMPANY
 DEPARTMENT C1-710, MC 127-10
 3855 LAKEWOOD BLVD.
 LONG BEACH, CA. 90846
 SITE ADDRESS: 19503 S. NORMANDIE TORRANCE

Consultant's Name and Billing Address:
 Maness Environmental Svcs Inc.
 1101 E. Spring Street
 Long Beach, CA 90807

Consultant's Phone #: (310) 595-4555
 Person to Contact: Richard Okuda
 FAX#:) -

Customer Account Number with TPS:

Generation Site (Transport from name & address):

Site Phone #:) -
 Person to Contact:
 FAX#:) -

BETN Levels
 TPH Levels
 AVG. Levels

Designated Facility (Transport to: name & address):
 TPS Technologies Inc.
 12328 Hibiscus Avenue
 Adelanto, California 92301

Facility Phone #: (800) 862-8001
 Person to Contact: Darren Bartlett
 FAX: (619) 246-8004

Facility Permit Numbers

Transporter Name and Mailing Address:
 Maness Environmental Svcs Inc.
 1101 E. Spring Street
 Long Beach, CA 90807

Transporter's Phone #: (310) 595-4555
 Person to Contact: Richard Okuda
 FAX#:) -

Transporter's US EPA ID No.:
 Transporter's DOT No.:
 Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22t | | 77150 | 30000 | 45150 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 22.5 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Robert G. Tuell, Jr. Generator ☒ Consultant ☐
 Signature and date: Robert G. Tuell, Jr. 07-28-94

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: HAL HULLINGER
 Signature and date: 07-28-94

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Sanchez Clement
 Signature and date: 7-28-94

TPS Technologies Soil Recycling

Non-Hazardous Soils

Manifest #

Manifest #

Generator and/or Consultant

Transporter

Recycling Facility

| | | | | | |
|--------------------------------------|--------------------------|----------------------|--------------------------|------------------------------|----------------------|
| Date of Shipment: 07-28-94 | Responsible for Payment: | Transporter Truck #: | Facility #: 03 | Given by TPS: 3158 | Load # 119 |
|--------------------------------------|--------------------------|----------------------|--------------------------|------------------------------|----------------------|

| | | |
|---|--|--|
| Generator's Name and Billing Address: DOUGLAS AIR CRAFT COMPANY DEPARTMENT C1-710, MC 127-10 3855 LAKEWOOD BLVD. LONG BEACH, CA, 90846 SITE ADDRESS: 19503 S. NORMANDIE, TORRANCE, CA | Generator's Phone #: () - Person to Contact: FAX #: () - | Generator's US EPA ID No. Customer Account Number with TPS: |
|---|--|--|

| | | |
|--|---|-----------------------------------|
| Consultant's Name and Billing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | Consultant's Phone #: (310) 595-4555 Person to Contact: Richard Okuda FAX #: () - | Customer Account Number with TPS: |
|--|---|-----------------------------------|

| | | |
|--|---|--|
| Generation Site (Transport from): (name & address) | Site Phone #: () - Person to Contact: FAX #: () - | BP/LX Levels TPH Levels AVG Levels |
|--|---|--|

| | | |
|---|---|-------------------------|
| Designated Facility (Transport to): (name & address) TPS Technologies Inc. 12328 Hibiscus Avenue Adelanto, California 92301 | Facility Phone #: (800) 862-8001 Person to Contact: Darren Bartlett FAX #: (619) 246-8004 | Facility Permit Numbers |
|---|---|-------------------------|

| | | |
|---|--|---|
| Transporter Name and Mailing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | Transporter's Phone #: (310) 595-4555 Person to Contact: Richard Okuda FAX #: () - | Transporter's US EPA ID No. Transporter's DOI No. Customer Account Number with TPS: |
|---|--|---|

| Description of Soil | Contaminated by | Approximate Quantity | Unit Weight | Net Weight |
|---|--|----------------------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22+ | 8042029420 | 5100 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | 25 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

| | | |
|--|--|--|
| Print or Type Name: Robert G. Tuell, Jr. | Signature and date: <i>Robert G. Tuell, Jr.</i> | Month 07 Day 27 Year 94 |
|--|--|--|

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

| | | |
|---|---|---|
| Print or Type Name: KCH 0074 P-0771 | Signature and date: <i>[Signature]</i> | Month 7 Day 28 Year 94 |
|---|---|---|

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

| | |
|---------------------|---------------------|
| Print or Type Name: | Signature and date: |
|---------------------|---------------------|

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest # 3158

Date of Shipment: 07-28-94
Transporter Truck #: 126
Load #: 20

Generator's Name and Billing Address:
DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE, TORRANCE, CA

Consultant's Name and Billing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807
Consultant's Phone #: (310) 595-4555
Person to Contact: Richard Okuda
FAX#: -
Customer Account Number with TPS: -

Generation Site (Transport from) (name & address):
Site Phone #: -
Person to Contact: -
FAX#: -
BETN Levels
TPH Levels
AVG. Levels

Designated Facility (Transport to) (name & address):
TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301
Facility Phone #: (800) 862-8001
Person to Contact: Darren Bartlett
FAX#: (619) 246-8004
Facility Permit Numbers

Transporter Name and Mailing Address:
Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807
Transporter's Phone #: (310) 595-4555
Person to Contact: Richard Okuda
FAX#: -
Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS:

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------|-------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 22 t | | 79660 | 30140 | 49520 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 74.76 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☒ Consultant ☐
Robert G. Tuell, Jr. Signature and date: Robert G. Tuell, Jr. 07-28-94

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Gabriel Orozco Signature and date: Gabriel Orozco 7-28-94

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Darren A. Bartlett Signature and date: Darren A. Bartlett 7/28/94

Generator and/or Consultant

Transporter

Recycling Facility

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest # 1

Date of Shipment: **07-28-94** Transporter Truck #: **1** Load #: **1021**

Generator's Name and Billing Address: **DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA. 90846
SITE ADDRESS: 19503 S. NORMANDIE, TORRANCE, CA**

Consultant's Name and Billing Address: **Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Generator's Name and Billing Address: **Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Designated Facility (Transport to): **TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301**

Transporter Name and Billing Address: **Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

| Description of Soil | Moisture Content | Contaminated by | Approx Qty | Approx Date of Delivery | Gross Weight | Net Weight |
|---|--|--|------------|-------------------------|--------------|------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> TPH | 22+ | | 75420 | 30500 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | 24.4 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: **Robert G. Tuell, Jr.** Generator ☒ Consultant ☐ Signature and date: **Robert G. Tuell, Jr.** Month **07** Day **28** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Charles Willson** Signature and date: **Charles Willson** Month **07** Day **28** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: **Lance Clement** Signature and date: **Lance Clement 7-28-94**

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest #

| | | | | |
|--------------------------------------|-------------------------|-----------------------------------|----------------------------|-----------------------|
| Date of Shipment: 07-28-94 | Responsible for Payment | Transporter Truck #: 03 | Facility #: 3158 | Load #: 022 |
|--------------------------------------|-------------------------|-----------------------------------|----------------------------|-----------------------|

| | | |
|--|--|-----------------------------------|
| Generator Name and Billing Address: DOUGLAS AIR CRAFT COMPANY DEPARTMENT C1-710, MC 127-10 3855 LAKEWOOD BLVD. LONG BEACH, CA. 90846 SITE ADDRESS: 19503 S. NORMANDIE TORRANCE | Generator Phone #: (310) 533-7926 | Generator's US EPA ID No.: |
| Consultant's Name and Billing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | Consultant's Phone #: (310) 595-4555 | Customer Account Number with TPS: |

| | | |
|--|------------------------|-------------|
| Generation Site (Transport from): (name & address) | Site Phone #: () - | BETX Levels |
| | Person to Contact: | TPH Levels |
| | FAX #: () - | AVG. Levels |

| | | |
|---|--|-------------------------|
| Designated Facility (Transport to): (name & address) TPS Technologies Inc. 12328 Hibiscus Avenue Adelanto, California 92301 | Facility Phone #: (800) 862-8001 | Facility Permit Numbers |
| | Person to Contact: Darren Bartlett | |
| | FAX #: (619) 246-8004 | |

| | | |
|---|---|-----------------------------------|
| Transporter Name and Mailing Address: Maness Environmental Svcs Inc. 1101 E. Spring Street Long Beach, CA 90807 | Transporter's Phone #: (310) 595-4555 | Transporter's US EPA ID No.: |
| | Person to Contact: Richard Okuda | Transporter's DOT No.: |
| | FAX #: () - | Customer Account Number with TPS: |

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|---------------|--------------|--------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> XTPM | 17+ | | 604200 | 31720 | 32400 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by melus for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

| | | | | | |
|-----------------------------|---|-----------------------------|-----------|-----------|-----------|
| Print or Type Name: | Generator <input checked="" type="checkbox"/> Consultant <input type="checkbox"/> | Signature and date: | Month | Day | Year |
| Robert G. Tuell, Jr. | | <i>Robert G. Tuell, Jr.</i> | 07 | 28 | 94 |

| | | | | | |
|--|----------------------|-----------|-----------|-----------|--|
| Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site. | | | | | |
| Print or Type Name: | Signature and date: | Month | Day | Year | |
| KAL HULLINGER | <i>Kal Mullinger</i> | 07 | 28 | 94 | |

| | | | | | |
|--|----------------------|----------------|--|--|--|
| Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above: | | | | | |
| Print or Type Name: | Signature and date: | | | | |
| | <i>Lance Clement</i> | 7-28-94 | | | |

Generator and/or Consultant

Transporter

Recycling Facility

Manifest

TPS Technologies Soil Recycling Non-Hazardous Soils

Manifest

Date of Shipment: **07-21-94** Transporter Truck #: **11** Load #: **0123**

Generator's Name and Billing Address: **DOUGLAS AIR CRAFT COMPANY
DEPARTMENT C1-710, MC 127-10
3855 LAKEWOOD BLVD.
LONG BEACH, CA 90846**
SITE ADDRESS: **19503 S. NORMANDIE, TORRANCE, CA**

Consultant's Name and Billing Address: **Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

Generation Site (Transport from name & address):
Site Phone #: **-**
Person to Contact: **-**
FAX #: **-**

Designated Facility (Transport to: name & address): **TPS Technologies Inc.
12328 Hibiscus Avenue
Adelanto, California 92301**

Transporter Name and Mailing Address: **Maness Environmental Svcs Inc.
1101 E. Spring Street
Long Beach, CA 90807**

| Description of Soil | Moisture Content | Contaminated by | Approx. Qty. | Description of Delivery | Gross Weight | Tare Weight | Net Weight |
|---|--|--|--------------|-------------------------|--------------|--------------|--------------|
| Sand <input checked="" type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input checked="" type="checkbox"/> | 25+ | | 80340 | 30160 | 50180 |
| Sand <input type="checkbox"/> Organic <input type="checkbox"/> Clay <input type="checkbox"/> Other <input type="checkbox"/> | 0 - 10% <input type="checkbox"/> 10 - 20% <input type="checkbox"/> 20% - over <input type="checkbox"/> | Gas <input type="checkbox"/> Diesel <input type="checkbox"/> Other <input type="checkbox"/> | | | | | 55.5 |

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: **Robert G. Tuell, Jr.** Generator ☒ Consultant ☐ Signature and date: **Robert G. Tuell, Jr.** Month **07** Day **28** Year **94**

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: **Miguel Guerrero** Signature and date: **Miguel Guerrero** Month **07** Day **28** Year **94**

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date: **Lancy Clement** Month **7** Day **28** Year **94**